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Scientific and Technical Information Center

## SEARCH REQUEST FORM

Date: 8-10-01 Requester's Full Name: Allen J. Robinson  
 Art Unit: 1618 Phone (308) 4524 (STIC) Examiner #: 61319  
 Results Format Preferred (circle): PAPER DISK E-MAIL Serial Number: 09/901,779

\*\*\*\*\*  
 To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Microbicidal Compositions

Inventors (please provide full names): Lutz Heuer; Peter Wachtler; Michael C. Schwamborn; Martin Kugler; Hans-Ulrich Buschauer

Earliest Priority Date: 10/5/92

## Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known.

\*For Sequence Searches Only\* Please include all pertinent information (parent, grandchild, divisional, or issued patent numbers) along with the appropriate serial number.

Combination of

a) Cyproconazole

and

(b) Copper compound

i.e. copper benzoate

## Point of Contact:

Mary Hale

Technical Info. Specialist

CM1 12D16 Tel: 308-4258

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A. Robinson  
901979

=> fil caplus;e cyproconazole/ct 5  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.33	0.63

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FILE COVERS 1947 - 14 Aug 2001 VOL 135 ISS 8  
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E#	FREQUENCY	AT	TERM
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E1	0	1	CYPRIMUM/CT
E2	0	1	CYPRIUS/CT
E3	0	-->	CYPROCONAZOLE/CT
E4	0	8	CYPROHEPTADINE/CT
E5	1	11	CYPROIS/CT

=> fil reg;e cyproconazole/cn 5  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.33	0.96

FULL ESTIMATED COST

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DICTIONARY FILE UPDATES: 13 AUG 2001 HIGHEST RN 351316-61-5

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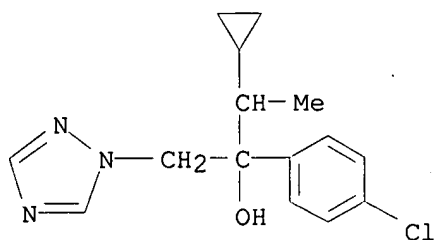
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E1 1 CYPROBENDAZOLE/CN  
E2 1 CYPROCHENODEOXYCHOLIC ACID/CN  
E3 1 --> CYPROCONAZOLE/CN  
E4 1 CYPROCONAZOLE-CAPTAN MIXT./CN  
E5 1 CYPROCONAZOLE-CARBENDAZIM MIXT./CN

=> s e3;d ide can;s copper?/cn  
L1 1 CYPROCONAZOLE/CN

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 94361-06-5 REGISTRY  
CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-(4-chlorophenyl)-.alpha.-(1-cyclopropylethyl)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Alto  
CN Alto 100SL  
CN Atemi  
CN Atemi C  
CN **Cyproconazole**  
CN SAN 619F  
CN SN 108266  
FS 3D CONCORD  
DR 113096-99-4  
MF C15 H18 Cl N3 O  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, MEDLINE, MRCK\*, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, TOXLINE, TOXLIT, USPATFULL  
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251 REFERENCES IN FILE CA (1967 TO DATE)  
 38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 253 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:104795  
 REFERENCE 2: 135:88543  
 REFERENCE 3: 135:72626  
 REFERENCE 4: 135:57296  
 REFERENCE 5: 135:42158  
 REFERENCE 6: 134:349318  
 REFERENCE 7: 134:349309  
 REFERENCE 8: 134:325365  
 REFERENCE 9: 134:306549  
 REFERENCE 10: 134:276810

L2 204033 COPPER?/CN

=> e copper benzoate/cn 5

E1 1 COPPER BENZENE-1,2,4-TRICARBOXYLATE/CN  
 E2 1 COPPER BENZENE-1,3,5-TRICARBOXYLATE/CN  
 E3 1 --> COPPER BENZOATE/CN  
 E4 1 COPPER BENZOATE (CU(OBZ)2)/CN  
 E5 1 COPPER BENZOATE (CUH(PHCO2)3)/CN

=> s copper benzoate?/cn

L3 8 COPPER BENZOATE?/CN

=> fil medl,caplus,biosis,embase,wpids,jicst;s (l1 or 94361-06-5 or  
 ?cyproconazole?) and (l3 or copper or copper benzoate).

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
16.18	17.14

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 12:40:17 ON 14 AUG 2001

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L4            0 FILE MEDLINE  
L5            23 FILE CAPLUS  
L6            2 FILE BIOSIS  
L7            0 FILE EMBASE  
L8            9 FILE WPIDS  
LEFT TRUNCATION IGNORED FOR '?CYPROCONAZOLE?' FOR FILE 'JICST-EPLUS'  
L9            0 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L10           34 (L1 OR 94361-06-5 OR ?CYPROCONAZOLE?) AND (L3 OR COPPER OR  
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R BENZOATE)

Left truncation is not valid in the specified search field in the  
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would be searched as 'FLAVONOID.'

If you are searching in a field that uses implied proximity, and you  
used a truncation symbol after a punctuation mark, the system may  
interpret the truncation symbol as being at the beginning of a term.  
Implied proximity is used in search fields indexed as single words,  
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=> dup rem l10  
PROCESSING COMPLETED FOR L10  
L11           27 DUP REM L10 (7 DUPLICATES REMOVED)

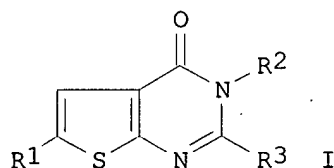
=> d 1-27 cbib abs

L11 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2001 ACS  
2001:578597 Bactericide combinations in detergents. Elsmore, Richard;  
Houghton, Mark Phillip (Robert McBride Ltd., UK). Brit. UK Pat. Appl. GB  
2354771 A1 20010404, 53 pp. (English). CODEN: BAXXDU. APPLICATION: GB  
1999-23253 19991001.

AB The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing redn. activity after contact 2.

L11 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 1  
2000:335180 Document No. 132:330856 Synergistic fungicidal combinations comprising a thieno[2,3-d]pyrimidin-4-one. Walter, Harald; Forster, Birgit; Knauf-beiter, Gertrude (Novartis Ag, Switz.; Novartis-Erfindungen Verwaltungsgesellschaft Mbh). PCT Int. Appl. WO 2000027200 A1 20000518, 44 pp. DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-EP8449 19991104. PRIORITY: GB 1998-24331 19981106.

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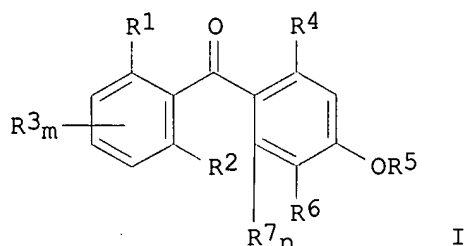


AB The title compns. comprise a thieno[2,3-d]pyrimidin-4-one I (R1= halo; R2, R3 = C2-5 alkyl or methylcyclopropyl) in assocn. with either an azole fungicide, an anilinopyrimidine fungicide, a morpholine fungicide, or strobilurin compd., a pyrrole deriv., a phenylamide, a dithiocarbamate fungicide (mancozeb, maneb, metiram or zineb), a **copper** compd. ( **copper** hydroxide, **copper** oxychloride, **copper** sulfate or oxine-**copper**), sulfur, prochloraz, triflumizole, pyrifenoxy, acibenzolar-S-Me, chlorothalonil, cymoxanil, dimethomorph, famoxadone, quinoxifen, fenpropidine, spiromamine, triazoxide, BAS 50001F, hymexazole, pecycuron, fenamidone, MON65500, or guazatine.

L11 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 2  
2000:534803 Document No. 133:131168 Synergistic fungicidal mixtures. Van Tuyl Cotter, Henry; Reichert, Gunter; Sieverding, Ewald; Jegerings, Petrus Martinus Franciscus Emanuel (American Cyanamid Co., USA). Eur. Pat. Appl.

EP 1023834 A1 20000802, 48 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 2000-300637 20000128. PRIORITY: US 1999-240412 19990129.

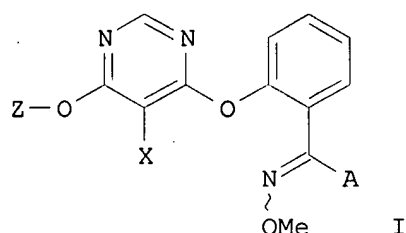
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AB The title compns. comprise a benzophenone deriv. mixed with at least one fungicide selected from a ergosterol biosynthesis inhibitor, a strobilurine deriv., a melanin biosynthesis inhibitor, a compd. selected from acibenzolar, benomyl, captan, carboxin, chlorothalonil, **copper**, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenox, sulfur, vinclozolin, and/or an azolopyrimidine deriv. (Markush given). The benzophenone deriv. is I [R1 = OH, halo or (un)substituted alkyl, alkanoyloxy or alkoxy; R2 = halo or (un)substituted alkyl; R3 = halo, NO2 or (un)substituted alkyl or alkoxy; R4 = halo, CN, OH, CO2H, NH2, NO2, or (un)substituted alkyl, alkoxy, alkenyl, alkylthio, alkylsulfinyl or alkylsulfonyl; R5 = (un)substituted alkyl; R6 = halo, NO2, (un)substituted alkyl, alkoxy, aryloxy, etc.; R7 = halo, (un)substituted (cyclo)alkyl, alkenyl, (cyclo)alkoxy, etc.; m = 0, 1-3; n = 0 or 1].

L11 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 3  
2000:349202 Document No. 132:344443 Synergistic fungicidal compositions.. Mauler-Machnik, Astrid; Wachendorf-Neumann, Ulrike; Gayer, Herbert (Bayer A.-G., Germany). Ger. Offen. DE 19939841 A1 20000525, 18 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1999-19939841 19990823. PRIORITY: DE 1998-19853559 19981120.

GI



AB The title compns. comprise the pyrimidine derivs. I [Z = (un)substituted Ph; X = halo; A = heterocyclyl, CO<sub>2</sub>Me or CHN<sub>2</sub>Me] and any of a large no. of known fungicides.

L11 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2001 ACS

2000:140623 Document No. 132:191902 Improving plant disease resistance using

conventional plant breeding, genetic engineering, and chemical induction of the endogenous hypersensitive response. Ryals, John Andrew;

Friedrich,

Leslie Bethard; Uknes, Scott Joseph; Molina-Fernandez, Antonio; Ruess, Wilhelm; Knauf-Beiter, Gertrude; Kung, Ruth Beatrice; Kessmann, Helmut; Oostendorp, Michael (Novartis A.-G., Switz.). U.S. US 6031153 A 20000229, 73 pp., Cont.-in-part of U.S. 5,780,469. (English). CODEN: USXXAM. APPLICATION: US 1997-996685 19971223. PRIORITY: CH 1995-179 19950123; CH 1995-1910 19950629; CH 1995-3495 19951211; WO 1996-EP2672 19960620; US 1996-761543 19961206; US 1996-34378 19961227; US 1996-34379 19961227; US 1996-34382 19961227; US 1997-34730 19970110; US 1997-35021 19970110; US 1997-3502 19970110; US 1997-3502 19970110.

AB The present invention concerns a method of protecting plants from pathogen

attack through synergistic disease resistance attained by applying a conventional microbicide to immunomodulated plants. Immunomodulated plants are those in which SAR is activated and are therefore referred to as "SAR-on" plants. Immunomodulated plants may be provided in at least three different ways: by applying to plants a chem. inducer of SAR such

as

BTH, INA, or SA; through a selective breeding program based on constitutive expression of SAR genes and/or a disease-resistant

phenotype;

or by transforming plants with one or more SAR genes such as a functional form of the NIM1 gene. By concurrently applying a microbicide to an immunomodulated plant, disease resistance is unexpectedly synergistically enhanced; i.e., the level of disease resistance is greater than the expected additive levels of disease resistance.

L11 ANSWER 6 OF 27 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 2001-158874 [16] WPIDS

AB WO 200041861 A UPAB: 20010323

NOVELTY - The treatment of a wood substrate comprises:

(a) placing the substrate in a treatment vessel and reducing the pressure to remove air in the pores of the substrate;

(b) contacting the substrate with the formulation so that it flows into the pores, at a temperature at or above that required to cause the wax to become molten;

(c) applying a positive pressure to force the formulation into the pores; and

(d) releasing the pressure and removing the wood substrate.

USE - The formulation is used to treat certain wood species such as Southern Yellow Pine, Ponderosa Pine, Scots Pine, Hem-Fir, Red Pine, Jack Pine, Lodgepole Pine, Radiata Pine, Japanese Pine, Hoop Pine, red wood

and

cedar.



ADVANTAGE - The treatment confers water repellency to the wood substrate (claimed). The formulation has a high degree of shear stability and the lowest possible surface tension. After treatment the wood substrate is hot and drip-free and hence does not contaminate the surrounding environment. The elevated temperature increases the degree of penetration.

Dwg.0/1

L11 ANSWER 7 OF 27 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 2000-239272 [21] WPIDS

AB EP 988790 A UPAB: 20000502

NOVELTY - Fungicide comprises a carrier and/or surfactant and synergistic amounts of (a) at least one azolopyrimidine compound (I); and (b) at least

one other fungicide.

DETAILED DESCRIPTION - Fungicide comprises a carrier and/or surfactant and synergistic amounts of (a) at least one azolopyrimidine compound of formula (I); and (b) at least one fungicidal triazole derivative, synthetic strobilurine, benomyl, carboxin, captan, chlorothalonil, **copper** oxychloride, cyprodinil, dimethomorph, dithianon, dodine, famoxadone, fenhexamid, fenpiclonil, fenpropimorph, fluazinam, mancozeb, metalaxyl, pyrimethanil, quinoxifen, sulfur, triforine and/or vinclozolin.

R1 = 1-6C alkyl, 3-6C alkenyl or 1-6C haloalkyl;

R2 = H or 1-6C alkyl; or

R1 + R2 = 3-8C alkylene;

L1 = halo; and

L2, L3 = H or halo.

An INDEPENDENT CLAIM is also included for a method of controlling phytopathogenic fungi comprising administering synergistic amounts of a compound (I) and at least one compound selected from (b) above.

ACTIVITY - Fungicide. In 3 day residual test against *Leptosphaeria nodorum* on wheat

5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperid-1-yl)-(1,2,4)triazolo(1,5-a)pyrimidine (Ia) at 100 ppm had an efficacy of 40

, fenpropimorph at 0.5 ppm had an efficacy of 19 and a combination of (Ia)

at 100 ppm and fenpropimorph at 0.5 ppm had an efficacy of 80 (expected efficacy = 51).

MECHANISM OF ACTION - None given.

USE - As synergistic fungicides especially for controlling wheat leaf

rust, wheat septoria leaf blotch and/or wheat powdery mildew.

Dwg.0/0

L11 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 4

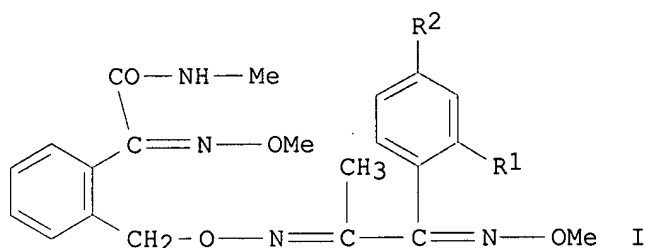
1999:184082 Document No. 130:206270 Synergistic fungicidal combinations comprising phenylacrylic acid derivatives. Knauf-Beiter, Gertrude; Zurfluh, Rene; Gsell, Bettina (Novartis AG, Switz.; Novartis-Erfindungen Verwaltungsgesellschaft M.b.H.). PCT Int. Appl. WO 9911125 A1 19990311, 66 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,

CA,

CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,

MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1998-EP5453 19980827. PRIORITY: GB 1997-18366 19970829.

GI



AB The title compns. comprise a 2-(5-phenyl-3,6-diaza-2,7-dioxa-octa-3,5-dienyl)phenylacrylamide I (R1 = H, F or Cl; R2 = Me, Et, trifluoromethyl, trifluoromethoxy, cyano, F, Cl or Br; R2 noteq. F, Cl or Br, when R1 =

H)

in assocn. with a broad variety of other plant fungicides.

L11 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 5  
1999:487563 Document No. 131:117641 Wood protective agent. Exner, Otto; Kugler, Martin; Kunisch, Franz (Bayer A.-G., Germany). Ger. Offen. DE 19802699 A1 19990729, 4 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1998-19802699 19980124.

AB A wood preservative contg. synergistic amts. of metal compds., specifically Cu and Sn, and **cyproconazole** (I) protects the wood against deterioration caused by basidiomycetous fungi. A typical preservative contained basic Cu carbonate 10.9, HOCH2CH2NH2 23.1, boric acid 16.9, I 0.24, xylene 3.76, process oil 4.00, anionic/nonionic emulsifier 1.00 and H2O 40.10%.

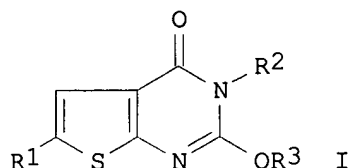
L11 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2001 ACS  
1999:372033 Document No. 131:1685 Synergistic fungicidal compositions comprising thieno[2,3-d]pyrimidin-4-one derivatives. Muller, Kaspar; Knauf-Beiter, Gertrude; Hermann, Dietrich; Walter, Harald (Novartis AG, Switz.; Novartis-Erfindungen Verwaltungsgesellschaft mbH). PCT Int.

Appl.

WO 9927790 A1 19990610, 51 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ,

BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1998-EP7677 19981127. PRIORITY: GB 1997-25445 19971201.

GI



AB The title compns. comprise a thieno[2,3-d]pyrimidin-4-one deriv. I (R1 = halo; R2, R3 = alkyl or methylcyclopropyl) in assocn. with an anilinopyrimidine fungicide, an azole fungicide, a morpholine fungicide,

a

strobilurin compd., a pyrrole compd., a phenylamide, a dithiocarbamate fungicide (mancozeb, maneb, metiram and zineb), a **copper** compd. (**copper** hydroxide, **copper** oxychloride, **copper** sulfate and oxine-**copper**), a phthalimide compd., prochloraz, triflumizole, pyrifenoxy, acibenzolar-S-Me, chlorothalonil, cymoxanil, dimethomorph, famoxadone, fenhexamid, fenarimol, fluazinam, fosetyl-aluminum, quinoxyfen, fenpropidine, spiroxamine, carbendazim, thiabendazole, ethirimol, triazoxide and/or guazatine.

L11 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2001 ACS

2000:259963 Document No. 133:54810 In vitro and in vivo evaluation of fungitoxics for the control of sunflower rust caused by Puccinia helianthi. Amaresh, Y. S.; Nargund, V. B.; Anahosur, K. H.; Kulkarni, S. (University of Agricultural Sciences, Dharwad, 580 005, India). J. Maharashtra Agric. Univ., Volume Date 1998, 23(3), 256-259 (English)

1999.

CODEN: JMAUDA. ISSN: 0378-2395. Publisher: Journal of Maharashtra Agricultural Universities.

AB The efficacy of 7 fungicides was detd. in vitro against Puccinia helianthi, by assessing percentage inhibition of spore germination. Maximum inhibition of urediospore germination was obsd. in tridemorph (65.38%) which was at par with **cyproconazole** (64.35%). Least inhibition (26.78%) of urediospore germination was obsd. with carbendazim.

Same 7 fungicides and 3 plant exts. viz., neem seed kernel, Ocimum and Tridax exts. were tried for in vivo. Tridemorph (0.1%) was most effective in controlling rust, followed by chlorothalonil (0.2%) which was at par with mancozeb (0.2%). Maximum grain yield 9.21 q/ha was recorded in chlorothalonil which was at par with **cyproconazole** 9.13 q/ha and mancozeb.

L11 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2001 ACS

1998:485165 Document No. 129:120244 Synergistic use of microbicides and strongly expressed systemic acquired resistance genes in increasing plant resistance to pathogens. Ryals, John Andrew; Uknes, Scott Joseph;

Molina,

Fernandez Antonio; Friedrich, Leslie Bethards (Novartis A.-G., Switz.).

PCT Int. Appl. WO 9829537 A2 19980709, 164 pp. DESIGNATED STATES: W:

AL,

AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1997-EP7253 19971223. PRIORITY: US 1996-34378 19961227; US 1997-35024 19970110.

AB A method of increasing plant resistance to pathogens using a combination of conventional microbicides and genes involved in systemic acquired resistance (SAR) is described. SAR genes are expressed at a high level

by chem. induction; by selective breeding of plants showing increased levels of SAR; or by introduction of SAR genes such as the NIM1 gene. The concurrent use of a microbicide and increased expression of SAR genes unexpectedly synergistically increases the level of disease resistance.

A no. of fungicides were tested in pairwise combinations and shown to be synergistic. Arabidopsis mutants showing constitutive immunity (cim2 and cim3) were obtained and tested for synergism with fungicides. Metalaxyl and benzo[1,2,3]thiadiazole-7-carbothioic acid-S-Me ester interacted synergistically with a cim3 mutation. Overexpression of the NIM1 gene

for a plant I.kappa.B.alpha. homolog involved in SAR also increased the effectiveness of microbicides synergistically.

L11 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 6  
1998:779934 Document No. 130:135335 Fungicide evaluation for simultaneous control of rust (*Hemileia vastatrix*) and *Cercospora* (*Cercospora coffeicola*) on coffee tree. Moraes, D. R.; Homechin, M.; Bueno, J. T.; Becker, C. A. V. (Departamento de Fitotecnia, FFALM, Bandeirantes-PR, 86.360-000, Brazil). Summa Phytopathol., 24(2), 168-171 (Portuguese) 1998. CODEN: SUPHDV. ISSN: 0100-5405. Publisher: Grupo Paulista de Fitopatologia.

AB In a field trial the fungicide efficiency in a simultaneous control program of rust and *Cercospora* leaf spot in coffee trees was evaluated. Treatments were performed as follows: 1) Control (without fungicide); 2) **Copper** oxide (1500 g a.i./ha) applied in Dec., **cyproconazole** + **copper** oxychloride (60 + 900 g a.i./ha) applied in Jan. and **cyproconazole** (50 g a.i./ha) - applied in Mar.; 3) **Copper** oxide (1500 g a.i./ha) - applied in Dec., **cyproconazole** + **copper** oxychloride (72 + 1080 g a.i./ha) - applied in Jan. and **cyproconazole** (50 g a.i./ha) - applied in Mar.; 4) **Copper** oxide (1500 g a.i./ha) applied in Dec., **cyproconazole** + **copper** oxychloride (60 + 900 g a.i./ha) - applied in Mar.; 5) **copper** oxychloride (1500 g a.i./ha) - applied in Dec., **cyproconazole** (50 g i.a./ha) - applied in Jan. and **cyproconazole** (50 g a.i./ha) - applied in Mar. All treatments were efficient on rust control. Treatments with **copper** fungicides in the second application were more efficient for simultaneous control of rust and *Cercospora* leaf spot.

L11 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2001 ACS  
1997:502675 Document No. 127:105641 Solubilizing biocides using anhydrous "onium" compounds as solvent. Maynard, Nigel Paul (Maynard, Nigel Paul,

N. Z.). PCT Int. Appl. WO 9722246 A1 19970626, 36 pp. DESIGNATED STATES:

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English).

CODEN: PIXXD2. APPLICATION: WO 1996-NZ143 19961217. PRIORITY: NZ 1995-280716 19951220; NZ 1996-286069 19960226; NZ 1996-299302 19960905.

AB A soln. that has been prepd. by heating at least one biocide in anhyd. "onium" compd.(s) (e.g. quaternary ammonium, etc.) or a polar aprotic solvent soln. thereof. Such method is applicable to metal org. complexes (e.g. **copper** 8-hydroxyquinoline chelates) or to org. biocides that in the absence of extreme conditions of pH are of low soly. in

common

solvents. Such a soln. once established can then be treated in a no. of ways, e.g. to create an aq.-phase-supported microemulsion or microsuspension.

L11 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2001 ACS

1997:222579 Document No. 126:208477 Chemical control of Phaeoramularia fruit

and leaf spot of citrus in Kenya. Seif, A.A.; Hillocks, R.J. (Department of Agriculture, University of Reading, Reading, RG6 6AT, UK). Crop

Prot.,

16(2), 141-145 (English) 1997. CODEN: CRPTD6. ISSN: 0261-2194. Publisher: Elsevier.

AB Fruit and leaf spot disease of citrus caused by *P. angolensis* has become the main disease of the crop in western Kenya. A no. of contact and systemic fungicides were evaluated against the pathogen in vitro and for disease control in the field. The triazoles were most inhibitory to the fungus in Petri dish tests, but fluzilazole gave the best control in the field. The recommended regime of benomyl, alternated with **copper** sprays, was also effective.

L11 ANSWER 16 OF 27 BIOSIS COPYRIGHT 2001 BIOSIS

1997:256068 Document No.: PREV199799555271. Evaluation of chemical and biological treatments for control of *Chondrostereum purpureum* infection of

pruning wounds in willows, apples, and peaches. Spiers, A. G.; Brewster, D. T.. Hortic. Food Res. Inst. New Zealand, Private Bag 11 030,

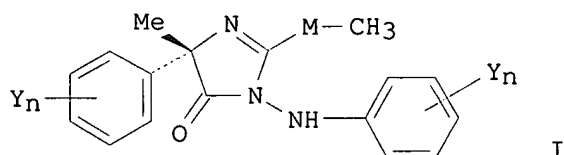
Palmerston

North New Zealand. New Zealand Journal of Crop and Horticultural Science, (1997) Vol. 25, No. 1, pp. 19-31. ISSN: 0114-0671. Language: English.

AB Twenty-five wound dressing compounds were screened for control of *Chondrostereum purpureum* infection of pruning wounds on willows (*Salix* spp.), apples (*Malus domestica*), and golden queen peaches (*Prunus persica*). None were completely effective but products giving best control were: Garrison; Shell pruning grease; and **cyproconazole** + iodocarb. *C. purpureum* infection with Nectec Liquid and **copper** oxychloride treatments was significantly ( $P < 0.05$ ) greater than the control indicating a reduced host resistance either directly or by elimination of antagonists. Application of the biocontrol fungus *Trichoderma viride* to wounds failed to give significant ( $P < 0.05$ )

control of *C. purpureum* infection in willows and peaches. Scanning electron microscopy of field exposed wound dressings revealed considerable differences in film integrity with fissures, pores, and fungal hyphae evident.

L11 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2001 ACS  
1996:294778 Document No. 124:335656 Synergistic fungicidal composition including a 2-imidazolin-5-one derivative. Latorse, Marie-Pascale (Rhone Poulenc Agrochimie, Fr.). PCT Int. Appl. WO 9603044 A1 19960208, 71 pp. DESIGNATED STATES: W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (French). CODEN: PIXXD2. APPLICATION: WO 1995-FR972 19950720. PRIORITY: FR 1994-9331 19940722.  
GI



AB A fungicidal compn. includes a 2-imidazolin-5-one deriv. I (M = O or S; n = 0 or 1; Y = F, Cl, Me) and a known fungicide, such as maneb, mancozeb, zineb, metiram, phosethyl Al, phosphorous acid, phosphites, chlorothalonil, fluazinam, fludioxonil, prochloraz, bromuconazole, **cyproconazole**, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, flusilazole, flutriafol, hexaconazole, metconazole, tebuconazole, tetraconazole, triticonazole, captan, folpet, captafol, iprodione, procymidone and vinclozolin. The preferred I is (4-S)-4-methyl-2-methylthio-4-phenyl-1-phenylamino-2-imidazolin-5-one (prepn. given).

L11 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2001 ACS  
1996:288153 Document No. 124:310261 Synergistic fungicidal mixtures. Stenzel, Klaus; Brandes, Wilhelm; Dutzmann, Stefan; Krueger, Bernd-Wieland; Kuck, Karl-Heinz; Pontzen, Rolf; Seitz, Thomas; Kamochi, Atsumi; Saitoh, Ikuya (Bayer A.-G., Germany). Ger. Offen. DE 4437048 A1 19960418, 17 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1994-4437048 19941017.

AB The title mixts. comprise N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide and at least another known fungicide, such as Nimrod, Serinal, chinomethionate, cyprodinyl, dinocap, epoxiconazole, fenpropidin, fenpiclonil, fluquinconazole and guazatine.

L11 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2001 ACS

1995:833071 Document No. 123:231746 Wood preservative containing **copper** compounds. Heuer, Lutz (Bayer A.-G., Germany). Ger. Offen. DE 4340853 A1 19950427, 13 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1993-4340853 19931201. PRIORITY: DE 1993-4336474 19931026.

AB The title preservative contains >1 Cu compd., .gtoreq.1 triazole synergistic combination with .gtoreq.1 fungicide and/or insecticide, .gtoreq.1 alkanolamine, and optionally emulsifier. A typical preservative  
 conc. contained basic Cu carbonate 12.4, HOCH2CH2NH2 27.3, 2-ethylhexanoic acid 2.5, **Cyproconazole** 2.9, Cyfluthrin 0.02, Tridemorph 7.0, and H2O balance to 100.

L11 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2001 ACS

1996:502302 Document No. 125:160999 Effects of 37 fungicides on the rove beetle *Aleochara bilineata* (Col.: Staphylinidae) in the laboratory. Samsoee-Petersen, L. (Dep. Pest Management, Research Centre Plant Protection, Lyngby, 2800, Den.). Entomophaga, 40(2), 145-152 (English) 1995. CODEN: ETPGAY. ISSN: 0013-8959.

AB Effects of 37 fungicides, several of which were mixts., on adult females of *A. bilineata*, were investigated in the lab. The pesticides were tested  
 in concns. equiv. to the highest recommended dosages for practical use. Mortality, egg prodn. and hatch of the eggs were recorded. Most fungicides had no serious effect on any of the parameters measured.

Among the morpholine and dithiocarbamate fungicides, several had adverse effects  
 on egg prodn. and/or hatch of the eggs laid. Chinomethionate and pyrazophos were toxic at the dosages used. Results are compared to results obtained with other species of beneficial arthropods in the lab. The importance of including several species in the assessment of pesticide  
 side effects as well as the importance of measuring sublethal effects are stressed.

L11 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2001 ACS

1995:324826 Document No. 122:99329 Synergistic fungicide mixtures comprising  
 a dioxaspirodecane derivative.. Dutzmann, Stefan; Dehne, Heinz-Wilhelm; Kuc, Karl-Heinz; Brandes, Wilhelm; Kraemer, Wolfgang (Bayer A.-G., Germany). Eur. Pat. Appl. EP 627163 A1 19941207, 49 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1994-107846 19940520. PRIORITY: DE 1993-4318285 19930602.

AB The title mixts. comprise  
 8-tert-butyl-2-(N-ethyl-N-propylamino)methyl-1,4-dioxaspiro[4,5]decane (I) and .gtoreq.1 known fungicide, such as azoles (triadimenol, triadimefon, bitertanol, diclobutrazol, etc.), tridemorph, aldimorph, fenpropimorph, fenpropidin, pyrifenoxy, fenarimol, triflumizole,  
 vinclozolin, procymidone, iprodione, cyprodinil, dithianon, dodine, chlorothalonil, dimethomorph, metalaxyl, cymoxanil and fluazinam. A mixt.

of I and triadimenol synergistically protected wheat against *Erysiphe graminis tritici* infection.

L11 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2001 ACS

1994:127767 Document No. 120:127767 Fungicidal compositions comprising triazole derivatives, **copper** compounds and hydrocarbons.. Garavaglia, Carlo; Mirena, Luigi; Filippini, Lucio (Isagro S.r.l., Italy). Eur. Pat. Appl. EP 572085 A1 19931201, 10 pp. DESIGNATED

STATES:

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1993-201491 19930525. PRIORITY: IT 1992-MI1277 19920526.

AB Addn. of Cu fungicides to triazole fungicides decreases the activity of the latter. This effect is eliminated, and even some enhancement of activity is achieved, when C10-50 hydrocarbons are added to the mixt. Hydrocarbon blends, such as vaseline oil, may be used instead of the individual hydrocarbons. Tetraconazole (50 g/ha) controlled *Cercospora beticola* in field expts. by 83%. Addn of 900 g Cu oxychloride/ha decreased the effectiveness of tetraconazole to 70%. When 500 g vaseline oil/ha was added to the binary mixt., the fungicidal effectiveness rose to 95%.

L11 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 7

1993:54204 Document No. 118:54204 An in vitro study of the activity of different fungicides on the development of *Drechslera teres* f. *teres* and f. *maculata*. Bendahmane, B.; Barrault, G.; Albertini, L.; Toubia-Rahme, H. (Lab. Ing. Agron., ENSAT, Toulouse, Fr.). Phytopathol. Mediterr., 31(2), 77-84 (French) 1992. CODEN: PYMDAU. ISSN: 0031-9465.

AB An in vitro study of the activity of several fungicides on some biol. phases of *D. teres* (mycelial growth, conidial germination, sporulation) showed that the form *teres* is more sensible than the form *maculata*. Some contact fungicides like anilazine and chlorothalonil were the most active on conidial germination. Systemic fungicides, particularly imidazoles (imazalil, prochloraz) and triazoles (diniconazol, flusilazol, propiconazol) were active on mycelial growth. Iprodione and **copper** oxyquinoleate were equally efficient on mycelial growth and conidial germination. Sporulation of the f. *maculata* was little inhibited

by prochloraz, diniconazol and M 14360 EC which completely inhibited sporulation of the f. *teres*. Anilazine affected sporulation as well as other biol. phases of the pathogen.

L11 ANSWER 24 OF 27 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 1990-248282 [33] WPIDS

AB EP 382375 A UPAB: 19960322

Carboxylic acid derivs. of formula (I) are new; two of K, L and M - N; the

other = C-E; X and Y = H, halo, 1-4C alkyl, 3-6C cycloalkyl, 2-4C alkenyl,

2-4C alkynyl, 2-4C alkynyloxy, Ph, benzyloxy, CN, isocyano, isothiocyanate, NO<sub>2</sub>, NR<sub>1</sub>R<sub>2</sub>, NR<sub>1</sub>(OR<sub>2</sub>)N<sub>3</sub>, NHCOR<sub>1</sub>, N(R<sub>1</sub>)COOR<sub>2</sub>, NHCONR<sub>1</sub>R<sub>2</sub>, N=CHNR<sub>1</sub>R<sub>2</sub>, NHSO<sub>2</sub>R<sub>1</sub>, OR<sub>1</sub>, OCOR<sub>1</sub>, OSO<sub>2</sub>R<sub>1</sub>, SR<sub>1</sub>, SOR<sub>1</sub>, SO<sub>2</sub>R<sub>1</sub>, SO<sub>2</sub>OR<sub>1</sub>, SO<sub>2</sub>NR<sub>1</sub>R<sub>2</sub>, COR<sub>1</sub>, C(R<sub>1</sub>)=NOR<sub>2</sub>,  $\downarrow$ COOR<sub>2</sub>, COOR<sub>1</sub>, CONR<sub>1</sub>R<sub>2</sub>, CSNR<sub>1</sub>R<sub>2</sub>, C(COOMe)CHOMe, 1-(imidazol-1-yl)vinyl, 5-membered heterocyclyl contg. 1-3N



or 5- or 6-membered heterocycyl contg. 1-20 O or S and opt. IN and opt. 1-2 oxo or thioxo; or X+Y, on ortho-positions, completes a 5- or 6-membered aliphatic or aromatic gp. opt. contg. 1-20, S or N or 1-3N; A, B, D, E, G, U and V = H, halo, 1-4C alkyl, 1-4C alkoxy, CN, NO2 or CF3;

R1

and R2 = H, 1-4C alkyl or phenyl; all aliphatic gps. are opt. substd. by

1

or more of halo, CN, OR1, SR1, NR1R2, Si(R1)3 or OCOR1; all phenyl gps. are opt. substd. by 1 or more of halo, 1-4C alkyl, 1-4C alkoxy, NO2 or CN.

USE - (I) are fungicides useful for controlling, e.g. Pyricularia oryzae on rice; rusts; powdery mildews; Cercospora spp; grey mould; Alternaria spp.; Ventruia inaequalis on apples; Plasmopara viticola on vines; downy mildews; Phytophthora spp.; and Rhizoctonia spp. @ (46pp Dwg.No 0/0)@

0/0@

ABEQ US 5145856 A UPAB: 19930928

Pyrimidinyl derivs. of formula (I) are new, in which any 2 of K, L, M are N and the other is CE; A, B, D, E, G, U and V are each H, halogen, 1-4C alkyl, 1-4C alkoxy, CN, NO2 or CF3; X and Y are each H, halogen, 1-4C alkyl, 3-6C cycloalkyl, 2-4C alkenyl, 2-4C alkynyl, 2-4C alkynyloxy, Ph, PhCH2O, CN, NC, CNS, NCS, NO2, NR1R2, NR1OR2, N3, NHCOR1, NR1CO2R2, NHCONR1R2, N=CHNR1R2, NHSO2R1, OR1, OCOR1, OSO2R1, SR1, SOR1, SO2R1, SO2OR1, SO2NR1R2, COR1, CR1=NOR2, CHR1CO2R2, CO2R1, CONR1R2, CSNR1R2, -C(COOCH3)(=CH.OCH3), 1-(imidazol-1-yl) vinyl, or heterocyclyl gps. of formula (II)-(V), or X and Y, when ortho to one another, form -OCH2O-, or together with the phenyl ring, form a naphthalene, quinoline, benzimidazole or benzothienyl ring; R1-2 are each H, 1-4C alkyl, 2-4C alkenyl or Ph; all aliphatic and phenyl gps. are opt. substd.

(E)-Methyl 2-(2-(4-methylsulphonyl pyrimidin-6-yloxy)phenyl) -3-methoxy propenoate is esp. pref.

USE - Cpds. (I) are fungicides and are applied to plants, or seeds

or

their habitat.

0/0

ABEQ US 5264440 A UPAB: 19940120

Pyrimidine derivs. of formula (I) are new, in which any 2 of K, L and M are N, the other being C(E); X is H, halogen, 1-4C alkyl, 3-6C

cycloalkyl,

2-4C alkenyl, 2-4C alkynyl, 2-4C alkynyloxy, Ph, PhCH2O, CN, NC, CNS,

NCS,

NO2, NR1R2 (in which R1-2 are each H, 1-4C alkyl, 2-4C alkenyl or Ph), NR1OR2, N3, NHCOR1, NR1CO2R2, NHCONR1R2, N=CHNR1R2, NHSO2R1, OR1, OCOR1, OSO2R1, SR1, SOR1, SO2R1, SO2OR1, SO2NR1R2, COR1, CR1=NOR2, CHR1CO2R2, CO2R1, CONR1R2 or CSNR1R2, Y is thiazolyl, isothiazolyl, oxazolyl, isoxazolyl, dithiazolyl, or dioxazolyl, each opt. substd. by oxo or thioxo, or Y is thiazinyl or oxazinyl, each opt. substd. by 1 or 2 oxo or thioxo atoms; A, B, D, E, G, U and V are each H, halogen, 1-4C alkyl,

1-4C

alkoxy, CN, NO2 or CF3. All aliphatic gps. and phenyl gps. are opt. substd.

Pref., any 2 of K, L and M are N, the other being CH; A, B, D, G, U, V and X are all H, and Y is in 2-position of the phenyl ring.

USE - Cpds. (I) are fungicides.

Dwg. 0/0

ABEQ EP 382375 B UPAB: 19940510

Carboxylic acid derivs. of formula (I) are new; two of K, L and M - N; the

other = C-E; X and Y = H, halo, 1-4C alkyl, 3-6C cycloalkyl, 2-4C alkenyl,

2-4C alkynyl, 2-4C alkynyloxy, Ph, benzyloxy, CN, isocyano, isothiocyanate, NO<sub>2</sub>, NR<sub>1</sub>R<sub>2</sub>, NR<sub>1</sub>(OR<sub>2</sub>)N<sub>3</sub>, NHCOR<sub>1</sub>, N(R<sub>1</sub>)COOR<sub>2</sub>, NHCONR<sub>1</sub>R<sub>2</sub>, N=CHNR<sub>1</sub>R<sub>2</sub>, NHSO<sub>2</sub>R<sub>1</sub>, OR<sub>1</sub>, OCOR<sub>1</sub>, OSO<sub>2</sub>R<sub>1</sub>, SR<sub>1</sub>, SOR<sub>1</sub>, SO<sub>2</sub>R<sub>1</sub>, SO<sub>2</sub>OR<sub>1</sub>, SO<sub>2</sub>NR<sub>1</sub>R<sub>2</sub>, COR<sub>1</sub>, C(R<sub>1</sub>)=NOR<sub>2</sub>, 1)COOR<sub>2</sub>, COOR<sub>1</sub>, CONR<sub>1</sub>R<sub>2</sub>, CSNR<sub>1</sub>R<sub>2</sub>, C(COOMe)CHOMe, 1-(imidazol-1-yl)vinyl, 5-membered heterocyclyl contg.

1-3N

or 5- or 6-membered heterocyclyl contg. 1-20 O or S and opt. IN and opt. 1-2 oxo or thioxo; or X+Y, on ortho-positions, completes a 5- or 6-membered aliphatic or aromatic gp. opt. contg. 1-20, S or N or 1-3N; A, B, D, E, G, U and V = H, halo, 1-4C alkyl, 1-4C alkoxy, CN, NO<sub>2</sub> or CF<sub>3</sub>;

R<sub>1</sub>

and R<sub>2</sub> = H, 1-4C alkyl or phenyl; all aliphatic gps. are opt. substd. by

1

or more of halo, CN, OR<sub>1</sub>, SR<sub>1</sub>, NR<sub>1</sub>R<sub>2</sub>, Si(R<sub>1</sub>)<sub>3</sub> or OCOR<sub>1</sub>; all phenyl gps. are opt. substd. by 1 or more of halo, 1-4C alkyl, 1-4C alkoxy, NO<sub>2</sub> or CN.

USE - (I) are fungicides useful for controlling, e.g. *Pyricularia oryzae* on rice; rusts; powdery mildews; *Cercospora* spp; grey mould; *Alternaria* spp.; *Venturia inaequalis* on apples; *Plasmopara viticola* on vines; downy mildews; *Phytophthora* spp.; and *Rhizoctonia* spp. @ (46pp

Dwg.No 0/0)@1

Dwg.0/0

ABEQ US 5395837 A UPAB: 19950425

A pesticide is (E)Me

2-(-(6-(2-CN-phenoxy)pyrimidin-4-yloxy)-Ph)-3-methoxypropenoate (1).

USE/ADVANTAGE - Used for combatting fungi on wheat, turf, peanut, vine, potato, tomato, sugar beet, cotton and rice, esp. e.g. *Puccinia recondita*, *Uncinula necator*, *Cercospora arachidicola*, *Phytophthora* infectans, *Pyricularia oryzae*. The cpd. is effective against a wide spectrum of fungi.

Dwg.0/0

ABEQ US 5468747 A UPAB: 19960108

We claim:

1. A fungicidal composition comprising a fungicidally effective amount of the compound (E)-methyl 2-(2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]-phenyl)-3-methoxypropenoate having the formula (I) and a complementary effective amount of a compound selected from the group consisting of (RS)-1-aminopropylphosphonic acid,

(RS)-4-(4-chloro-phenyl)-

2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile,

(RS)-4-chloro-N-(cyano(ethoxy)methyl)benzamide,

(Z)-N-but-2-enyloxymethyl-

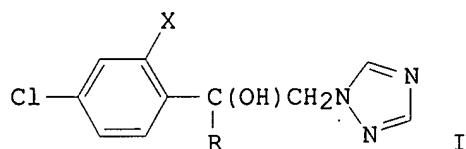
2-chloro-2', 6'-diethylacetanilide, 1-(2-cyano-2-methoxyiminoacetyl)-3-ethyl urea, 1-[(2RS,4RS;2RS,4RS)-4-bromo-2-(2,4-dichlorophenyl)-tetrahydrofurfuryl]-1H-1,2,4-triazole,

3-(2,4-dichlorophenyl)-2-(1H-1,2,4-

triazol-1-yl)quinazolin-4(3H)-one, 3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-methyl)-1,3-dioxolan-2-yl]phenyl-4-chlorophenyl ether, 4-bromo-2-cyano-N,N-dimethyl-6-trifluoromethylbenzimidazole-1-

sulphonamide, 4-chlorobenzyl  
 N-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl)thioacetamide,  
 5-ethyl-5,8-dihydro-8-oxo(1,3)-dioxolo(4,5-g)quinoline-7-carboxylic acid, alpha-[N-(3-chloro-2,6-xylyl)-2-methoxyacetamido]-gamma-butyrolactone, anilazine, benalaxyl, benomyl, biloxazol, binapacryl, bitertanol, blasticidin S, bupirimate, buthiobate, captafol, captan, carbendazim, carboxin, chlorbenzthiazole, chloroneb, chlorothalonil, chlorozolinate, **copper** oxychloride, **copper** sulphate, Bordeaux mixture, cycloheximide, cymoxanil, **cyproconazole**, cyprofuram, di-2-pyridyl disulphide 1,1'-dioxide, dichlofluanid, dichlone, diclobutrazol, diclomezine, dicloran, dimethamorph, dimethirimol, diniconazole, dinocap, ditalimfox, dithianon, dodemorph, dodine, edifenphos, etaconazole, ethirimol, ethyl  
 (Z)-N-benzyl-N-([methyl-(methylthioethylideneamino-oxycarbonyl)aminohio]-beta-alaninate, etridiazole, fenapanil, fenarimol, fenfuram, fenpiclonil, fenpropidin, fenpropimorph, fentin acetate, fentin hydroxide, flutolanil, flutriafol, fluzilazole, folpet, fosetylaluminium, fuberidazole, furalaxyl, furconazole-cis, guazatine, hexaconazole, hydroxyisoxazole, imazalil, iprobenfox, iprodione, isoprothiolane, kasugamycin, mancozeb, maneb, mepronil, metalaxyl, methfuroxam, metsulfovax, myclobutanil, N-(4-methyl-6-prop-1-ynylpyrimidin-2-yl)aniline, neoasozin, nickel dimethyldithiocarbamate, nitrothal-isopropyl, nuarimol, ofurace, organomercury compounds, oxadixyl, oxycarboxin, pefurazoate, penconazole, pencycuron, phenazin oxide, phthalide, polyoxin D, polyram, probenazole, prochloraz, procymidone, propamocarb, propiconazole, propineb, prothiocarb, pyrazophos, pyrifenox, pyroquilon, pyroxyfur, pyrrolnitrin, quinomethionate, quintozone, streptomycin, sulphur, techlofthalam, tecnazene, tebuconazole, tetraconazole, thiabendazole, thiophanate-methyl, thiram, tolclofos-methyl, triacetate salt of 1,1'-iminodi(octamethylene)diguanidine, triadimefon, triadimenol, triazbutyl, tricyclazole, tridemorph, triforine, validamycin A, vinclozolin and zineb.  
 Dwg.0/0

L11 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2001 ACS  
 1990:231300 Document No. 112:231300 Control of diseases of pruning wounds of perennial plants. (Sandoz A.-G., Switz.). Belg. BE 1001499 A5 19891114, 24 pp. (French). CODEN: BEXXAL. APPLICATION: BE 1988-821 19880714.  
 GI



AB Diseases of pruning wounds of perennial plants could be controlled by fungicidal formulations contg. compds. of the general formula I, where X =

H or Cl and R = Bu, 1-cyclopropylethyl or 1-cyclopropyl-1-methylethyl. Thus, I(X = H and R = 1-cyclopropylethyl) 10, silica 4, Na laurylsulfate 3, Na lignosulfonate 7, finely divided kaolin 66, and diatomaceous earth (5 .mu.) 10 parts were mixed, and dild. by water and applied by spraying. The compn. was applied by a special app. to control Eutypa lata in pruned grapes. The compn. might contain a nonphytotoxic hydrobic oil vehicle and/or thixotropic adjuvant.

L11 ANSWER 26 OF 27 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD  
 AN 1989-025926 [04] WPIDS  
 AB EP 300777 A UPAB: 19930923

To control eyespot in cereals, an eyespot fungicide is applied at a rate of 100-2000, pref. 200-1000, g/ha. to the ground where the cereal is planted, before emergence of the cereal plant. Pef. the fungicide is an ergosterol biosynthesis inhibitor (EBI) and the pref. cpd. is prochloraz i.e. N-propyl-N-(2-(2,4,5- trichlorophenoxy)ethyl) -imidazole-1-carboxamide, which may be used as the free base o a metal complex e.g.

the

manganese or **copper** chloride complex. Others include **cyproconazole**, flusilazole etc.

ADVANTAGE - Pre-emergent application of fungicide gives at least as good, if not better, control of eyespot than post-emergent application. Pre-emergent application is easier than post emergent, and an extra spraying operation can be avoided by applying pre-emergentherbiides at

the

same time. Also post emergent application may be too late to obtain optimum control.  
 0/0

L11 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2001 ACS  
 1989:227146 Document No. 110:227146 Microbicide-containing composition for treatment of pruning wounds. Barnavon, Marc; Dutruel, Philippe; Ravaux, Rene (Produits SANDOZ S. A., Fr.). Fr. Demande FR 2609366 A1 19880715,

17

pp. (French). CODEN: FRXXBL. APPLICATION: FR 1987-310 19870114.

AB A hydrophobic anhyd. nonleaching bactericidal and/or fungicidal formulation for the treatment of pruning wounds in perennial plants comprises a biol. active agent and a nonphytotoxic thixotropic oily medium.

consisting of a hydrophobic oily vehicle and colloidal silica. A formulation comprised carbendazim 1, sunflower oil 97, and colloidal SiO2 2 parts.

=> s ((l1 or 94361-06-5 or ?cyproconazole?) and copper) not l10

L12 0 FILE MEDLINE

L13 0 FILE CAPLUS

L14 0 FILE BIOSIS

L15 0 FILE EMBASE

L16 0 FILE WPIDS

LEFT TRUNCATION IGNORED FOR '?CYPROCONAZOLE?' FOR FILE 'JICST-EPLUS'

L17 0 FILE JICST-EPLUS

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=> fil drugupdate,pharm,metal

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L20 0 FILE ADISALERTS  
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L22 0 FILE BABS  
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L23 2 FILE BIOBUSINESS  
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L24 0 FILE BIOCOMMERCE  
L25 2 FILE BIOSIS  
L26 1 FILE BIOTECHNO  
L27 0 FILE CANCERLIT  
L28 23 FILE CAPLUS  
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L31 3 FILE CIN  
'CN' IS NOT A VALID FIELD CODE



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L49 0 FILE MEDICONF  
L50 0 FILE MEDLINE  
L51 0 FILE NAPRALERT  
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 L59           3 FILE TOXLINE  
 L60           9 FILE TOXLIT  
 L61           0 FILE USAN  
 L62           335 FILE USPATFULL  
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=> s 172 and (microbicid? or microbiocid?)

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 L74           0 FILE ADISALERTS  
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 L76           0 FILE BABS  
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L123	0	FILE	MDF
L124	0	FILE	METADEX
L125	0	FILE	RUSSCI

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L126 95 L72 AND (MICROBICID? OR MICROBIOCID?)

=> s 1126 and (compsn or compos?)\

MISSING OPERATOR COMPOS?)\

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=> s 1126 and (compsn or compos?)

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L180 93 L126 AND (COMPSN OR COMPOS?)

=> s l180 and (mix? or mxt)

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L182	0	FILE	ADISALERTS
L183	0	FILE	ADISINSIGHT
L184	0	FILE	BABS
L185	0	FILE	BIOBUSINESS
L186	0	FILE	BIOCOMMERCE
L187	0	FILE	BIOSIS
L188	0	FILE	BIOTECHNO
L189	0	FILE	CANCERLIT
L190	0	FILE	CAPLUS
L191	0	FILE	CBNB
L192	0	FILE	CEN
L193	0	FILE	CIN
L194	0	FILE	CONFSCI
L195	0	FILE	DGENE
L196	0	FILE	DIOGENES
L197	0	FILE	DRUGB
L198	0	FILE	DRUGLAUNCH
L199	0	FILE	DRUGMONOG2
L200	0	FILE	DRUGNL
L201	0	FILE	DRUGU
L202	0	FILE	EMBAL
L203	0	FILE	EMBASE
L204	0	FILE	ESBIOBASE
L205	0	FILE	IFIPAT
L206	0	FILE	INVESTEXT
L207	0	FILE	IPA
L208	0	FILE	JICST-EPLUS
L209	0	FILE	KOSMET
L210	0	FILE	LIFESCI
L211	0	FILE	MEDICONF
L212	0	FILE	MEDLINE
L213	0	FILE	NAPRALERT
L214	0	FILE	PASCAL
L215	0	FILE	PHAR
L216	0	FILE	PHIC
L217	0	FILE	PHIN
L218	0	FILE	PROMT
L219	0	FILE	SCISEARCH
L220	0	FILE	SYNTHLINE
L221	0	FILE	TOXLINE
L222	0	FILE	TOXLIT
L223	0	FILE	USAN
L224	92	FILE	USPATFULL
L225	0	FILE	ALUMINIUM
L226	0	FILE	COMPENDEX
L227	0	FILE	CORROSION
L228	0	FILE	INSPEC
L229	0	FILE	INSPHYS
L230	0	FILE	MATBUS
L231	0	FILE	MDF
L232	0	FILE	METADEx

L233            0 FILE RUSSCI

TOTAL FOR ALL FILES

L234            92 L180 AND (MIX? OR MXT)

=> s 1180 and (heuer 1?/au,in;s wachtler p?/au,in  
UNMATCHED LEFT PARENTHESIS 'AND (HEUER'  
COMMAND STACK INTERRUPTED. ENTER "DISPLAY HISTORY"  
TO SEE WHICH COMMANDS WERE EXECUTED.

The number of right parentheses in a query must be equal to the  
number of left parentheses.

=> s 1180 and (heuer 1?/au,in;s wachtler p?/au,in)  
UNMATCHED LEFT PARENTHESIS 'AND (HEUER'  
COMMAND STACK INTERRUPTED. ENTER "DISPLAY HISTORY"  
TO SEE WHICH COMMANDS WERE EXECUTED.

The number of right parentheses in a query must be equal to the  
number of left parentheses.

=> s 1180 and (heuer 1?/au,in or s wachtler p?/au,in)  
'AU' IS NOT A VALID FIELD CODE  
'IN' IS NOT A VALID FIELD CODE  
L235            0 FILE DRUGUPDATES  
'IN' IS NOT A VALID FIELD CODE  
L236            0 FILE ADISALERTS  
NUMERIC VALUE NOT VALID 'HEUER L?'  
NUMERIC VALUE NOT VALID 'HEUER L?'  
NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
L237            0 FILE ADISINSIGHT  
'IN' IS NOT A VALID FIELD CODE  
L238            0 FILE BABS  
'IN' IS NOT A VALID FIELD CODE  
L239            0 FILE BIOBUSINESS  
'AU' IS NOT A VALID FIELD CODE  
'IN' IS NOT A VALID FIELD CODE  
L240            0 FILE BIOCOMMERCE  
L241            0 FILE BIOSIS  
'IN' IS NOT A VALID FIELD CODE  
L242            0 FILE BIOTECHNO  
'IN' IS NOT A VALID FIELD CODE  
L243            0 FILE CANCERLIT  
L244            0 FILE CAPLUS  
'AU' IS NOT A VALID FIELD CODE  
'IN' IS NOT A VALID FIELD CODE  
L245            0 FILE CBNB  
'IN' IS NOT A VALID FIELD CODE  
L246            0 FILE CEN  
'AU' IS NOT A VALID FIELD CODE  
'IN' IS NOT A VALID FIELD CODE  
L247            0 FILE CIN  
'IN' IS NOT A VALID FIELD CODE  
L248            0 FILE CONFSCI

L249           0 FILE DGENE  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L250           0 FILE DIOGENES  
 L251           0 FILE DRUGB  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L252           0 FILE DRUGLAUNCH  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L253           0 FILE DRUGMONOG2  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L254           0 FILE DRUGNL  
 'IN' IS NOT A VALID FIELD CODE  
 L255           0 FILE DRUGU  
 'IN' IS NOT A VALID FIELD CODE  
 L256           0 FILE EMBAL  
 'IN' IS NOT A VALID FIELD CODE  
 L257           0 FILE EMBASE  
 'IN' IS NOT A VALID FIELD CODE  
 L258           0 FILE ES BIOBASE  
 L259           0 FILE IFIPAT  
 'IN' IS NOT A VALID FIELD CODE  
 L260           0 FILE INVESTEXT  
 'IN' IS NOT A VALID FIELD CODE  
 L261           0 FILE IPA  
 L262           0 FILE JICST-EPLUS  
 'IN' IS NOT A VALID FIELD CODE  
 L263           0 FILE KOSMET  
 'IN' IS NOT A VALID FIELD CODE  
 L264           0 FILE LIFESCI  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L265           0 FILE MEDICONF  
 'IN' IS NOT A VALID FIELD CODE  
 L266           0 FILE MEDLINE  
 'IN' IS NOT A VALID FIELD CODE  
 L267           0 FILE NAPRALERT  
 'IN' IS NOT A VALID FIELD CODE  
 L268           0 FILE PASCAL  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 L269           0 FILE PHAR  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L270           0 FILE PHIC  
 'AU' IS NOT A VALID FIELD CODE  
 'IN' IS NOT A VALID FIELD CODE  
 L271           0 FILE PHIN  
 'IN' IS NOT A VALID FIELD CODE  
 L272           0 FILE PROMT  
 'IN' IS NOT A VALID FIELD CODE

L273 0 FILE SCISEARCH  
 L274 0 FILE SYNTHLINE  
 'IN' IS NOT A VALID FIELD CODE  
 L275 0 FILE TOXLINE  
 'IN' IS NOT A VALID FIELD CODE  
 L276 0 FILE TOXLIT  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 L277 0 FILE USAN  
 L278 4 FILE USPATFULL  
 L279 0 FILE ALUMINIUM  
 'IN' IS NOT A VALID FIELD CODE  
 L280 0 FILE COMPENDEX  
 'IN' IS NOT A VALID FIELD CODE  
 L281 0 FILE CORROSION  
 'IN' IS NOT A VALID FIELD CODE  
 L282 0 FILE INSPEC  
 'IN' IS NOT A VALID FIELD CODE  
 L283 0 FILE INSPHYS  
 'IN' IS NOT A VALID FIELD CODE  
 L284 0 FILE MATBUS  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'HEUER L?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 NUMERIC VALUE NOT VALID 'S WACHTLER P?'  
 L285 0 FILE MDF  
 'IN' IS NOT A VALID FIELD CODE  
 L286 0 FILE METADEX  
 'IN' IS NOT A VALID FIELD CODE  
 L287 0 FILE RUSSCI  
  
 TOTAL FOR ALL FILES  
 L288 4 L180 AND (HEUER L?/AU,IN OR S WACHTLER P?/AU,IN)

=> d 1-4

L288 ANSWER 1 OF 4 USPATFULL  
 AN 1999:132853 USPATFULL  
 TI Fungicidal active compound combinations  
 IN **Heuer, Lutz**, Krefeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Buschhaus, Hans-Ulrich, Krefeld, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 Kunisch, Franz, Odenthal, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5972971 19991026  
 WO 9500303 19950105  
 AI US 1995-564249 19951215 (8)  
 WO 1994-EP1868 19940608  
 19951215 PCT 371 date  
 19951215 PCT 102(e) date



PRAI DE 1993-4320495 19930621  
 DE 1994-4406819 19940302  
 DT Utility  
 FS Granted  
 LN.CNT 543  
 INCL INCLM: 514/341.000  
 INCLS: 514/383.000; 546/272.700; 548/262.200  
 NCL NCLM: 514/341.000  
 NCLS: 514/383.000; 546/272.700; 548/262.200  
 IC [6]  
 ICM: A01N043-40  
 ICS: A01N043-653; C07D249-08; C07D401-06  
 EXF 548/267.8; 548/262.2; 546/272.7; 514/383; 514/341  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L288 ANSWER 2 OF 4 USPATFULL  
 AN 1999:24251 USPATFULL  
 TI Timber preservative containing a **copper** compound  
 IN **Heuer, Lutz**, Dormagen, Germany, Federal Republic of  
 Joentgen, Winfried, Koln, Germany, Federal Republic of  
 Groth, Torsten, Odenthal, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5874025 19990223  
 WO 9632235 19961017  
 AI US 1997-930773 19971003 (8)  
 WO 1996-EP1434 19960401  
 19971003 PCT 371 date  
 19971003 PCT 102(e) date  
 PRAI DE 1995-19513903 19950412  
 DT Utility  
 FS Granted  
 LN.CNT 1029  
 INCL INCLM: 252/383.000  
 INCLS: 252/380.000; 106/015.050; 106/018.310; 106/018.320  
 NCL NCLM: 252/383.000  
 NCLS: 106/015.050; 106/018.310; 106/018.320; 252/380.000  
 IC [6]  
 ICM: A01N003-00  
 ICS: A01N037-44; C09D005-14  
 EXF 106/15.05; 106/18.31; 106/18.32; 252/380; 252/384; 252/383; 514/383;  
 424/630; 424/632; 424/633  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L288 ANSWER 3 OF 4 USPATFULL  
 AN 97:123239 USPATFULL  
 TI Thiazolylpyrazolinones and their use for protecting technical materials  
 IN **Heuer, Lutz**, Krefeld, Germany, Federal Republic of  
 Wachtler, Peter, Koln, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 Sasse, Klaus, Bergisch Gladbach, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5703103 19971230

WO 9526962 19951012  
 AI US 1996-716239 19960924 (8)  
 WO 1995-EP1032 19950320  
 19960924 PCT 371 date  
 19960924 PCT 102(e) date  
 PRAI DE 1994-4411235 19940331  
 DT Utility  
 FS Granted  
 LN.CNT 1101  
 INCL INCLM: 514/365.000  
 INCLS: 548/204.000; 548/205.000; 106/014.160; 106/018.330  
 NCL NCLM: 514/365.000  
 NCLS: 106/014.160; 106/018.330; 548/204.000; 548/205.000  
 IC [6]  
 ICM: A01N043-78  
 ICS: C07D417-04  
 EXF 548/204; 548/205; 514/365  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
  
 L288 ANSWER 4 OF 4 USPATFULL  
 AN 97:88997 USPATFULL  
 TI Medicaments containing 1-thiocarbamoyl-5-hydroxy-pyrazoles and their  
 use as agents for combating septic shock  
 IN Wachtler, Peter, Koln, Germany, Federal Republic of  
 Heuer, Lutz, Krefeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5672617 19970930  
 AI US 1996-598878 19960209 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-286080, filed on 4 Aug 1994,  
 now patented, Pat. No. US 5510365  
 PRAI DE 1993-4326904 19930811  
 DE 1994-4411243 19940331  
 DE 1994-4414792 19940428  
 DE 1995-19510058 19950320  
 DT Utility  
 FS Granted  
 LN.CNT 1306  
 INCL INCLM: 514/407.000  
 INCLS: 548/369.700  
 NCL NCLM: 514/407.000  
 NCLS: 548/369.700  
 IC [6]  
 ICM: A61K031-415  
 ICS: C07D231-20  
 EXF 548/369.7; 514/407  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 1234 not 1288  
 L289 0 FILE DRUGUPDATES  
 L290 0 FILE ADISALERTS

L291	0	FILE	ADISINSIGHT
L292	0	FILE	BABS
L293	0	FILE	BIOBUSINESS
L294	0	FILE	BIOCOMMERCE
L295	0	FILE	BIOSIS
L296	0	FILE	BIOTECHNO
L297	0	FILE	CANCERLIT
L298	0	FILE	CAPLUS
L299	0	FILE	CBNB
L300	0	FILE	CEN
L301	0	FILE	CIN
L302	0	FILE	CONFSCI
L303	0	FILE	DGENE
L304	0	FILE	DIOGENES
L305	0	FILE	DRUGB
L306	0	FILE	DRUGLAUNCH
L307	0	FILE	DRUGMONOG2
L308	0	FILE	DRUGNL
L309	0	FILE	DRUGU
L310	0	FILE	EMBAL
L311	0	FILE	EMBASE
L312	0	FILE	ESBIOBASE
L313	0	FILE	IFIPAT
L314	0	FILE	INVESTEXT
L315	0	FILE	IPA
L316	0	FILE	JICST-EPLUS
L317	0	FILE	KOSMET
L318	0	FILE	LIFESCI
L319	0	FILE	MEDICONF
L320	0	FILE	MEDLINE
L321	0	FILE	NAPRALERT
L322	0	FILE	PASCAL
L323	0	FILE	PHAR
L324	0	FILE	PHIC
L325	0	FILE	PHIN
L326	0	FILE	PROMT
L327	0	FILE	SCISEARCH
L328	0	FILE	SYNTHLINE
L329	0	FILE	TOXLINE
L330	0	FILE	TOXLIT
L331	0	FILE	USAN
L332	88	FILE	USPATFULL
L333	0	FILE	ALUMINIUM
L334	0	FILE	COMPENDEX
L335	0	FILE	CORROSION
L336	0	FILE	INSPEC
L337	0	FILE	INSPHYS
L338	0	FILE	MATBUS
L339	0	FILE	MDF
L340	0	FILE	METADEX
L341	0	FILE	RUSSCI

TOTAL FOR ALL FILES

L342           88 L234 NOT L288

=> d 1-88 an ti in pa pi ai prai

L342 ANSWER 1 OF 88 USPATFULL

AN 2001:131325 USPATFULL

TI Acyl mercapto-triazolyl derivatives and the use thereof as  
**microbicides**

IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 6274610 B1 20010814

AI US 2000-494078 20000128 (9)

PRAI DE 1996-19617461 19960502

L342 ANSWER 2 OF 88 USPATFULL

AN 2001:125988 USPATFULL

TI Oxime derivatives and their use as fungicides

IN Kruger, Bernd-Wieland, Gladbach, Germany, Federal Republic of  
Gerdes, Peter, Aachen, Germany, Federal Republic of

Gayer, Herbert, Monheim, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 6271226 B1 20010807

WO 9817653 19980430

AI US 1999-284367 19990414 (9)

WO 1997-EP5475 19971006  
19990414PCT 371 date  
19990414PCT 102(e) date

PRAI DE 1996-19642864 19961017

L342 ANSWER 3 OF 88 USPATFULL

AN 2001:112365 USPATFULL

TI Nitrophenyl-sulfonyl-imidazoles and use thereof for controlling  
vegetable and animal pests

IN Assmann, Lutz, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Erdelen, Christoph, Leverkusen, Germany, Federal Republic of  
Kugler, Martin, Leichlingen, Germany, Federal Republic of  
Wachtler, Peter, Krefeld, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 6262100 B1 20010717

WO 9905116 19990204

AI US 2000-463092 20000118 (9)

WO 1998-EP4326 19980713  
20000118PCT 371 date  
20000118PCT 102(e) date

PRAI DE 1997-19731781 19970724

DE 1998-19829740 19980703

L342 ANSWER 4 OF 88 USPATFULL

AN 2001:112316 USPATFULL  
 TI Fungicidal methoximinomethyldioxazines  
 IN Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Markert, Robert, Koln, Germany, Federal Republic of  
 Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
 Stelzer, Uwe, Burscheid, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6262051 B1 20010717  
 WO 9845289 19981015  
 AI US 1999-402068 19990928 (9)  
 WO 1998-EP1667 19980323  
 19990928PCT 371 date  
 19990928PCT 102(e) date  
 PRAI DE 1997-19713762 19970403

L342 ANSWER 5 OF 88 USPATFULL

AN 2001:112305 USPATFULL  
 TI Triazolinethione-phosphoric acid derivatives  
 IN Hillebrand, Stefan, Neuss, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6262039 B1 20010717  
 WO 9905149 19990204  
 AI US 2000-463270 20000120 (9)  
 WO 1998-EP4354 19980714  
 20000120PCT 371 date  
 20000120PCT 102(e) date  
 PRAI DE 1997-19732033 19970725

L342 ANSWER 6 OF 88 USPATFULL

AN 2001:97921 USPATFULL  
 TI Methoximinomethyloxadiazines  
 IN Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6251899 B1 20010626  
WO 9909026 19990225  
AI US 2000-485379 20000208 (9)  
WO 1998-EP9904821 19980801  
20000208PCT 371 date  
20000208PCT 102(e) date  
PRAI DE 1997-19735196 19970814  
DE 1997-19737723 19970829

L342 ANSWER 7 OF 88 USPATFULL

AN 2001:86495 USPATFULL  
TI Triazolyl disulphides  
IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6245794 B1 20010612  
AI US 2000-586318 20000602 (9)  
PRAI DE 1996-19619544 19960515

L342 ANSWER 8 OF 88 USPATFULL

AN 2001:86494 USPATFULL  
TI Oxyranyle-triazoline thiones and their use as **microbicides**  
IN Hillebrand, Stefan, Neuss, Germany, Federal Republic of  
Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Kugler, Martin, Leichlingen, Germany, Federal Republic of  
Exner, Otto, Ratingen, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6245793 B1 20010612  
WO 9921853 19990506  
AI US 2000-529678 20000417 (9)  
WO 1998-EP6449 19981012  
20000417PCT 371 date  
20000417PCT 102(e) date  
PRAI DE 1997-19746993 19971024  
DE 1998-19823861 19980528

L342 ANSWER 9 OF 88 USPATFULL

AN 2001:82765 USPATFULL  
TI Synergistic **compositions** comprising an oxathiazine and a  
benzothiophene-2-carboxamide-S,S-dioxide  
IN De Witte, Ludo Antoinnette, Merksplas, Belgium  
Valcke, Alex Raymond Albert, Wechelderzande, Belgium  
Van der Flaas, Mark Arthur Josepha, Herselt, Belgium  
Willems, Willy Modest Louisa, Lille, Belgium  
PA Janssen Pharmaceutica N.V., Belgium (non-U.S. corporation)  
PI US 6242440 B1 20010605  
WO 9918795 19990422  
AI US 2000-529271 20000410 (9)

WO 1998-EP6495	19981007
	20000410PCT 371 date
	20000410PCT 102(e) date
PRAI EP 1997-203227	19971015

L342 ANSWER 10 OF 88 USPATFULL

AN 2001:75442 USPATFULL

TI Hydroxamic-acid derivatives, method of preparing them and their use as fungicides

IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of Assmann, Lutz, Eutin, Germany, Federal Republic of Gayer, Herbert, Monheim, Germany, Federal Republic of Gerdes, Peter, Aachen, Germany, Federal Republic of Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of Seitz, Thomas, Langenfeld, Germany, Federal Republic of Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of Tiemann, Ralf, Leverkusen, Germany, Federal Republic of Hanssler, Gerd, Leverkusen, Germany, Federal Republic of Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of Dutzmann, Stefan, Hilden, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

PI US 6235790 B1 20010522

AI US 1999-357275 19990720 (9)

PRAI DE 1994-4402533 19940128

L342 ANSWER 11 OF 88 USPATFULL

AN 2001:75417 USPATFULL

TI Benzimidazole derivatives

IN Assmann, Lutz, Eutin, Germany, Federal Republic of Marhold, Albrecht, Leverkusen, Germany, Federal Republic of Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of Kugler, Martin, Leichlingen, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

PI US 6235765 B1 20010522

AI US 2000-490482 20000124 (9)

PRAI DE 1995-19513990 19950413

L342 ANSWER 12 OF 88 USPATFULL

AN 2001:75396 USPATFULL

TI Halogen pyrimidinyl aryl (thio)ethers as pesticides

IN Gayer, Herbert, Monheim, Germany, Federal Republic of Gerdes, Peter, Aachen, Germany, Federal Republic of Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of Tiemann, Ralf, Leverkusen, Germany, Federal Republic of Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of Hanssler, Gerd, Leverkusen, Germany, Federal Republic of Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

PI US 6235743 B1 20010522

WO 9821189 19980522

AI US 1999-297666 19990505 (9)  
 WO 1997-EP5954 19971029  
 19990505PCT 371 date  
 19990505PCT 102(e) date  
 PRAI DE 1996-19646407 19961111

L342 ANSWER 13 OF 88 USPATFULL

AN 2001:63711 USPATFULL  
 TI Glyoxylic acid derivatives  
 IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6225334 B1 20010501  
 WO 9803474 19980129  
 AI US 1999-214749 19990111 (9)  
 WO 1997-EP3644 19970709  
 19990111PCT 371 date  
 19990111PCT 102(e) date  
 PRAI DE 1996-19629466 19960722  
 DE 1996-19629463 19960722  
 DE 1996-19629464 19960722  
 DE 1996-19629465 19960722

L342 ANSWER 14 OF 88 USPATFULL

AN 2001:59883 USPATFULL  
 TI **Microbicide** 1,4,2-dioxazine derivatives  
 IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
 PA Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6221862 B1 20010424  
 WO 9919312 19990422  
 AI US 2000-529070 20000406 (9)  
 WO 1998-EP6274 19981002  
 20000406PCT 371 date  
 20000406PCT 102(e) date  
 PRAI DE 1997-19745376 19971014

L342 ANSWER 15 OF 88 USPATFULL

AN 2001:55222 USPATFULL  
 TI Benzothiophene-2-carboxamide s,s-dioxides for use in anti-fouling  
 applications  
 IN Kunisch, Franz, Odenthal, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 PA Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6217642 B1 20010417  
 WO 9711131 19970327



AI US 1998-43364 19980311 (9)  
WO 1996-EP3941 19960909  
19980311PCT 371 date  
19980311PCT 102(e) date  
PRAI DE 1995-19534868 19950920

L342 ANSWER 16 OF 88 USPATFULL  
AN 2001:52064 USPATFULL  
TI Annulated azole derivatives useful as **microbicidal** agents  
IN Assmann, Lutz, St. Peter-Ording, Germany, Federal Republic of  
Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6214840 B1 20010410  
WO 9839331 19980911  
AI US 1999-380502 19990903 (9)  
WO 1998-EP942 19980219  
19990903PCT 371 date  
19990903PCT 102(e) date  
PRAI DE 1997-19708688 19970304

L342 ANSWER 17 OF 88 USPATFULL  
AN 2001:52049 USPATFULL  
TI Aza-heterocycloalkenes, pesticidal **compositions** containing  
them, pesticidal methods of using them, and processes for preparing  
them  
IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
Gayer, Herbert, Monheim, Germany, Federal Republic of  
Assmann, Lutz, Eutin, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6214825 B1 20010410  
WO 9625406 19960822  
AI US 1997-875908 19970806 (8)  
WO 1996-EP384 19960131  
19970806PCT 371 date  
19970806PCT 102(e) date  
PRAI DE 1995-19504625 19950213  
DE 1995-19510297 19950322

L342 ANSWER 18 OF 88 USPATFULL  
AN 2001:33296 USPATFULL  
TI Dithiazoldioxides and the use thereof as **microbicides**  
IN Uhr, Hermann, Krefeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Kugler, Martin, Leichlingen, Germany, Federal Republic of  
Schrage, Heinrich, Krefeld, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6197799 B1 20010306  
WO 9720830 19970612  
AI US 1998-77648 19980602 (9)  
WO 1996-EP1587 19961125  
19980602PCT 371 date  
19980602PCT 102(e) date  
PRAI DE 1995-19545635 19951207

L342 ANSWER 19 OF 88 USPATFULL

AN 2001:29616 USPATFULL  
TI Imidic acid derivatives and their use as pesticides  
IN Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
Gayer, Herbert, Monheim, Germany, Federal Republic of  
Gerdes, Peter, Aachen, Germany, Federal Republic of  
Stetter, Jorg, Wuppertal, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6194464 B1 20010227  
AI US 1999-300911 19990428 (9)  
PRAI DE 1994-4432088 19940909  
DE 1995-19508573 19950310

L342 ANSWER 20 OF 88 USPATFULL

AN 2001:29595 USPATFULL  
TI Aminophenol derivatives with fungicidal property  
IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6194443 B1 20010227  
WO 9816522 19980423  
AI US 1999-284225 19990409 (9)  
WO 1997-EP5430 19971002  
19990409PCT 371 date  
19990409PCT 102(e) date  
PRAI DE 1996-19642529 19961015

L342 ANSWER 21 OF 88 USPATFULL

AN 2001:29570 USPATFULL  
TI Substituted aminosalicyclic acid amides with fungicidal effect and  
intermediate products for production thereof  
IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
Stelzer, Uwe, Burscheid, Germany, Federal Republic of  
Wolfrum, Peter, Monheim, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6194418 B1 20010227

WO 9841513 19980924  
 AI US 1999-380969 19990913 (9)  
 WO 1998-EP1164 19980302  
 19990913PCT 371 date  
 19990913PCT 102(e) date  
 PRAI DE 1997-19710609 19970314

L342 ANSWER 22 OF 88 USPATFULL  
 AN 2001:25920 USPATFULL  
 TI Isothiazolcarboxylic acid derivatives  
 IN Assmann, Lutz, Langenfeld, Germany, Federal Republic of  
 Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
 Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Mauler-Machnik, Astrid, Leichlingen, Germany, Federal Republic of  
 Sawada, Haruko, Yuki, Japan  
 Sakuma, Haruhiko, Oyama, Japan  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6191155 B1 20010220  
 WO 9924414 19990520  
 AI US 2000-554170 20000605 (9)  
 WO 1998-EP6960 19981103  
 20000605PCT 371 date  
 20000605PCT 102(e) date  
 PRAI DE 1997-19750011 19971112

L342 ANSWER 23 OF 88 USPATFULL  
 AN 2001:14510 USPATFULL  
 TI Sulfonyl benzazolones  
 IN Assmann, Lutz, St. Peter Ording, Germany, Federal Republic of  
 Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Markert, Robert, Koln, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6180655 B1 20010130  
 WO 9817665 19980430  
 AI US 1999-284338 19990409 (9)  
 WO 1997-EP5473 19971006  
 19990409PCT 371 date  
 19990409PCT 102(e) date  
 PRAI DE 1996-19642865 19961017

L342 ANSWER 24 OF 88 USPATFULL  
 AN 2001:10925 USPATFULL  
 TI Oxime derivatives and their use as pesticides  
 IN Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of

Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6177463 B1 20010123  
WO 9524383 19950914  
AI US 1996-702597 19960903 (8)  
WO 1995-EP708 19950227  
19960903PCT 371 date  
19960903PCT 102(e) date  
PRAI DE 1994-4408006 19940310  
DE 1994-4414986 19940429  
DE 1994-4422154 19940624

L342 ANSWER 25 OF 88 USPATFULL  
AN 2001:10921 USPATFULL  
TI Substituted heterocyclic compounds and their use as fungicides  
IN Gayer, Herbert, Monheim, Germany, Federal Republic of  
Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
Gerdes, Peter, Aachen, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6177459 B1 20010123  
WO 9625398 19960822  
AI US 1997-875818 19970804 (8)  
WO 1996-EP383 19960822  
19970804PCT 371 date  
19970804PCT 102(e) date  
PRAI DE 1995-19504624 19950213  
DE 1995-19532345 19950904

L342 ANSWER 26 OF 88 USPATFULL  
AN 2001:4766 USPATFULL  
TI **Microbicidal benzotriazoles**  
IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Kugler, Martin, Leichlingen, Germany, Federal Republic of  
Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6172092 B1 20010109  
AI US 1999-296843 19990422 (9)  
PRAI DE 1995-19523446 19950628

L342 ANSWER 27 OF 88 USPATFULL  
AN 2000:174685 USPATFULL

TI Thiocyno- triazolyl derivatives and their use as **microbicides**  
 IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6166059 20001226  
 WO 9744331 19971127  
 AI US 1998-180862 19981117 (9)  
 WO 1997-EP2373 19970509  
 19981117PCT 371 date  
 19981117PCT 102(e) date  
 PRAI DE 1996-19620407 19960521

L342 ANSWER 28 OF 88 USPATFULL  
 AN 2000:168168 USPATFULL  
 TI Pyridyl-thiazoles and their use to protect plants against infections by  
 micro-organisms  
 IN Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6160121 20001212  
 AI US 1999-317318 19990524 (9)  
 PRAI DE 1995-19519332 19950526  
 DE 1996-19608244 19960304

L342 ANSWER 29 OF 88 USPATFULL  
 AN 2000:157423 USPATFULL  
 TI Substituted cycloalkenes, process of preparing them and method of using  
 them as pesticides.  
 IN Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6150374 20001121  
 WO 9631463 19961010  
 AI US 1997-930718 19970929 (8)  
 WO 1996-EP1309 19960325  
 19970929PCT 371 date  
 19970929PCT 102(e) date  
 PRAI DE 1995-19512886 19950406

L342 ANSWER 30 OF 88 USPATFULL  
 AN 2000:142396 USPATFULL  
 TI Sulphonyloxadiazolones and their use as **microbicides**  
 IN Assmann, Lutz, St. Peter-Ording, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of

PA Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6136830 20001024  
 WO 9847897 19981029  
 AI US 1999-402990 19991013 (9)  
 WO 1998-EP1989 19980406  
 19991013PCT 371 date  
 19991013PCT 102(e) date  
 PRAI DE 1997-19716258 19970418

L342 ANSWER 31 OF 88 USPATFULL  
 AN 2000:142321 USPATFULL  
 TI Intermediates for pyridyl-thiazoles and their use to protect plants  
 against infections by micro-organisms  
 IN Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6136754 20001024  
 AI US 1999-229534 19990113 (9)  
 PRAI DE 1995-19519332 19950526  
 DE 1996-19608244 19960304

L342 ANSWER 32 OF 88 USPATFULL  
 AN 2000:134918 USPATFULL  
 TI Alkoximinoacetic acid amides  
 IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6130251 20001010  
 WO 9623763 19960808  
 AI US 1997-875300 19970723 (8)  
 WO 1996-EP179 19960117  
 19970723PCT 371 date  
 19970723PCT 102(e) date  
 PRAI DE 1995-19502813 19950130  
 DE 1995-19503162 19950201  
 DE 1995-19510770 19950324  
 DE 1995-19527099 19950725  
 DE 1995-19543199 19951120

L342 ANSWER 33 OF 88 USPATFULL  
 AN 2000:132019 USPATFULL  
 TI Halobenzimidazoles and their use as **microbicides**  
 IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Marhold, Albrecht, Leverkusen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of

(non-U.S. corporation)

PI US 6127547 20001003  
 AI US 1999-387716 19990825 (9)  
 PRAI DE 1995-19529407 19950810  
 DE 1996-19609060 19960308

L342 ANSWER 34 OF 88 USPATFULL  
 AN 2000:117920 USPATFULL  
 TI Mercapto-imidazolyl derivatives  
 IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6114539 20000905  
 WO 9744323 19971127  
 AI US 1998-180909 19981117 (9)  
 WO 1997-EP2374 19970509  
 19981117PCT 371 date  
 19981117PCT 102(e) date  
 PRAI DE 1996-19620408 19960521

L342 ANSWER 35 OF 88 USPATFULL  
 AN 2000:109841 USPATFULL  
 TI Dihydrofuran carboxamides  
 IN Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Kunisch, Franz, Odenthal, Germany, Federal Republic of  
 Bielefeldt, Dietmar, Ratingen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6107336 20000822  
 WO 9803495 19980129  
 AI US 1999-230198 19990120 (9)  
 WO 1997-EP3693 19970711  
 19990120PCT 371 date  
 19990120PCT 102(e) date  
 PRAI DE 1996-19629825 19960724

L342 ANSWER 36 OF 88 USPATFULL  
 AN 2000:105909 USPATFULL  
 TI Use of pyrrolopyrimidines for controlling pests  
 IN Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
 Tietjen, Klaus-Gunther, Langenfeld, Germany, Federal Republic of  
 Uhr, Hermann, Krefeld, Germany, Federal Republic of  
 Markert, Robert, Cologne, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of

PA Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of  
 Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6103726 20000815  
 WO 9748280 19971224  
 AI US 1998-202475 19981211 (9)  
 WO 1997-EP2990 19970609  
 19981211PCT 371 date  
 19981211PCT 102(e) date  
 PRAI DE 1996-19624603 19960620

L342 ANSWER 37 OF 88 USPATFULL

AN 2000:105900 USPATFULL  
 TI Halogen pyrimidines and its use thereof as parasite abatement means  
 IN Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
 Stelzer, Uwe, Burscheid, Germany, Federal Republic of  
 Marhold, Albrecht, Leverkusen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6103717 20000815  
 WO 9727189 19970731  
 AI US 1998-101791 19980716 (9)  
 WO 1997-EP151 19970115  
 19980716PCT 371 date  
 19980716PCT 102(e) date  
 PRAI DE 1996-19602095 19960122

L342 ANSWER 38 OF 88 USPATFULL

AN 2000:102314 USPATFULL  
 TI Sulphonyloxadiazolones  
 IN Assmann, Lutz, St. Peter-Ording, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Deng, Chuan-Zheng, Shanghai, China  
 Yuan, Li-Ping, Shanghai, China  
 Zhao, Jian-Mei, Shanghai, China  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6100281 20000808  
 WO 9847883 19981029  
 AI US 1999-403073 19991013 (9)  
 WO 1998-EP1990 19980406  
 19991013PCT 371 date  
 19991013PCT 102(e) date  
 PRAI DE 1997-19716260 19970418

L342 ANSWER 39 OF 88 USPATFULL



AN 2000:91986 USPATFULL  
 TI Use of sulfonyloxadiazolones as **microbicides**  
 IN Assmann, Lutz, St. Peter-Ording, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6090831 20000718  
 WO 9847369 19981029  
 AI US 1999-403207 19991014 (9)  
 WO 1998-EP1988 19980406  
 19991014PCT 371 date  
 19991014PCT 102(e) date  
 PRAI DE 1997-19716259 19970418

L342 ANSWER 40 OF 88 USPATFULL

AN 2000:80784 USPATFULL  
 TI Benzimidazole derivatives  
 IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Marhold, Albrecht, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6080776 20000627  
 AI US 1999-227809 19990111 (9)  
 PRAI DE 1995-19513990 19950413

L342 ANSWER 41 OF 88 USPATFULL

AN 2000:80783 USPATFULL  
 TI Sulphonyl-mercapto-triazolyl derivatives and their use as  
**microbicides**  
 IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6080775 20000627  
 WO 9744332 19971127  
 AI US 1998-194508 19981119 (9)  
 WO 1997-EP2408 19970512  
 19981119PCT 371 date  
 19981119PCT 102(e) date  
 PRAI DE 1996-19620590 19960522

L342 ANSWER 42 OF 88 USPATFULL

AN 2000:74284 USPATFULL  
 TI Arylthio-dithiazindioxides and their use as pesticides  
 IN Uhr, Hermann, Krefeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Wachtler, Peter, Krefeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6075019 20000613  
 WO 9829400 19980709

AI US 1999-331676 19990623 (9)  
WO 1997-EP7242 19971222  
19990623PCT 371 date  
19990623PCT 102(e) date  
PRAI DE 1997-19700062 19970103

L342 ANSWER 43 OF 88 USPATFULL  
AN 2000:70866 USPATFULL  
TI Oxymethoxy-3-aryl-pyrone derivatives  
IN Bretschneider, Thomas, Lohmar, Germany, Federal Republic of  
Fischer, Reiner, Monheim, Germany, Federal Republic of  
Lieb, Folker, Leverkusen, Germany, Federal Republic of  
Hagemann, Hermann, Leverkusen, Germany, Federal Republic of  
Ruther, Michael, Monheim, Germany, Federal Republic of  
Stetter, Jorg, Wuppertal, Germany, Federal Republic of  
Andersch, Wolfram, Bergisch Gladbach, Germany, Federal Republic of  
Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
Mencke, Norbert, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Turberg, Andreas, Haan, Germany, Federal Republic of  
Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6071937 20000606  
WO 9719941 19970605  
AI US 1998-77237 19980522 (9)  
WO 1996-EP5058 19961118  
19980522PCT 371 date  
19980522PCT 102(e) date  
PRAI DE 1995-19444457 19951129

L342 ANSWER 44 OF 88 USPATFULL  
AN 2000:61210 USPATFULL  
TI Plant treatment agents  
IN Tsuboi, Shin-ichi, Tochigi, Japan  
Kamochi, Atsumi, Kochi, Japan  
Yamashita, Nobuhiro, Kochi, Japan  
Saito, Ikuya, Kochi, Japan  
Wada, Yuzuru, Hachioji, Japan  
Isono, Kunihiro, Tochigi, Japan  
Koyama, Shigeharu, Oyama, Japan  
PA Nihon Bayer Agrochem K.K., Tokyo, Japan (non-U.S. corporation)  
PI US 6063393 20000516  
AI US 1993-41077 19930401 (8)  
PRAI JP 1992-115283 19920409

L342 ANSWER 45 OF 88 USPATFULL  
AN 2000:54136 USPATFULL  
TI Triazolyl-mercaptides and their use as **microbicides**  
IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 6057353 20000502  
 WO 9741107 19971106  
 AI US 1998-171733 19981023 (9)  
 WO 1997-EP1996 19970421  
 19981023PCT 371 date  
 19981023PCT 102(e) date  
 PRAI DE 1996-19617282 19960430  
  
 L342 ANSWER 46 OF 88 USPATFULL  
 AN 2000:50871 USPATFULL  
 TI Alkoxyacrylic acid thiol esters used as fungicides  
 IN Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6054621 20000425  
 WO 9707096 19970227  
 AI US 1998-11340 19980210 (9)  
 WO 1996-EP3436 19960805  
 19980210PCT 371 date  
 19980210PCT 102(e) date  
 PRAI DE 1995-19530199 19950817  
  
 L342 ANSWER 47 OF 88 USPATFULL  
 AN 2000:50726 USPATFULL  
 TI Iminoacetic acid amides and their use as pest control agents  
 IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6054476 20000425  
 WO 9714673 19970424  
 AI US 1998-51593 19980415 (9)  
 WO 1996-EP4345 19961007  
 19980415PCT 371 date  
 19980415PCT 102(e) date  
 PRAI DE 1995-19538789 19951018  
  
 L342 ANSWER 48 OF 88 USPATFULL  
 AN 2000:50723 USPATFULL  
 TI 1,3-dimethyl-5-fluoro-pyrazole-4-carboxamide derivatives, their  
 preparation and their use as **microbicides**  
 IN Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Bielefeldt, Dietmar, Ratingen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Wachtler, Peter, Krefeld, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6054473 20000425  
WO 9803486 19980129  
AI US 1999-230160 19990120 (9)  
WO 1997-EP3692 19970711  
19990120PCT 371 date  
19990120PCT 102(e) date  
PRAI DE 1996-19629826 19960724

L342 ANSWER 49 OF 88 USPATFULL

AN 2000:47249 USPATFULL  
TI Acyl-mercapto-triazolyl derivatives and the use thereof as  
**microbicides**  
IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6051592 20000418  
WO 9742178 19971113  
AI US 1998-180055 19981027 (9)  
WO 1997-EP1997 19970421  
19981027PCT 371 date  
19981027PCT 102(e) date  
PRAI DE 1996-19617461 19960502

L342 ANSWER 50 OF 88 USPATFULL

AN 2000:37933 USPATFULL  
TI Imidazole compounds  
IN Assmann, Lutz, Peter-Ording, Germany, Federal Republic of  
Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Heil, Markus, Leverkusen, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 6043377 20000328  
WO 9747620 19971218  
AI US 1998-202090 19981208 (9)  
WO 1997-EP2830 19970530  
19981208PCT 371 date  
19981208PCT 102(e) date  
PRAI DE 1996-19623207 19960611

L342 ANSWER 51 OF 88 USPATFULL

AN 2000:24827 USPATFULL  
TI Method for protecting plants  
IN Ryals, John Andrew, Cary, NC, United States  
Friedrich, Leslie Bethards, Apex, NC, United States  
Uknes, Scott Joseph, Apex, NC, United States  
Molina-Fernandez, Antonio, Blanca, Spain  
Ruess, Wilhelm, Pfeffingen, Switzerland  
Knauf-Beiter, Gertrude, Mullheim, Germany, Federal Republic of  
Kung, Ruth Beatrice, Allschwil, Switzerland

Kessmann, Helmut, Allschwil, Switzerland  
 Oostendorp, Michael, Rheinfelden, Germany, Federal Republic of  
 PA Novartis AG, Basel, Switzerland (non-U.S. corporation)  
 PI US 6031153 20000229  
 AI US 1997-996685 19971223 (8)  
 PRAI CH 1995-179 19950123  
 CH 1995-1910 19950629  
 CH 1995-3495 19951211  
 US 1996-34378 19961227 (60)  
 US 1996-34379 19961227 (60)  
 US 1996-34382 19961227 (60)  
 US 1997-34730 19970110 (60)  
 US 1997-35021 19970110 (60)  
 US 1997-35022 19970110 (60)  
 US 1997-35024 19970110 (60)

L342 ANSWER 52 OF 88 USPTAFULL

AN 2000:12817 USPTAFULL  
 TI Halobenzimidazoles and their use as **microbicides**  
 IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Marhold, Albrecht, Leverkusen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6020354 20000201  
 WO 9706171 19970220  
 AI US 1998-11250 19980128 (9)  
 WO 1996-EP3334 19960729  
 19980128PCT 371 date  
 19980128PCT 102(e) date  
 PRAI DE 1995-19529407 19950810  
 DE 1996-19609060 19960308

L342 ANSWER 53 OF 88 USPTAFULL

AN 2000:4826 USPTAFULL  
 TI **Microbicidal** agents based on thiophene-2-carboxylic acid  
 derivatives  
 IN Fischer, Reiner, Monheim, Germany, Federal Republic of  
 Lui, Norbert, Koln, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 6013664 20000111  
 WO 9823605 19980604  
 AI US 1999-308903 19990526 (9)  
 WO 1997-EP6368 19971114  
 19990526PCT 371 date  
 19990526PCT 102(e) date  
 PRAI DE 1996-19649093 19961127

L342 ANSWER 54 OF 88 USPTAFULL

AN 1999:170649 USPTAFULL  
 TI Hydroxamic-acid derivatives, method of preparing them and their use as

fungicides

IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
 Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)

PI US 6008257 19991228  
 WO 9520570 19950803

AI US 1997-916045 19970821 (8)  
 WO 1995-EP149 19950116  
 19960722PCT 371 date  
 19960722PCT 102(e) date

PRAI DE 1994-4402533 19940128

L342 ANSWER 55 OF 88 USPATFULL

AN 1999:163734 USPATFULL

TI Acylaminosalicylic acid amides and their uses as pesticides

IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Naumann, Klaus, Leverkusen, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)

PI US 6001879 19991214  
 WO 9708135 19970306

AI US 1998-29110 19980218 (9)  
 WO 1996-EP3637 19960819  
 19980218PCT 371 date  
 19980218PCT 102(e) date

PRAI DE 1995-19531891 19950830  
 DE 1996-19615453 19960419  
 DE 1996-19626311 19960701

L342 ANSWER 56 OF 88 USPATFULL

AN 1999:151274 USPATFULL

TI Hydrazonoacetic acid amides and the use thereof as pesticides

IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, United Kingdom (non-U.S.  
 corporation)

PI US 5990171 19991123  
 WO 9631464 19961010

AI US 1997-945293 19970925 (8)  
 WO 1996-EP1308 19960325

19970925PCT 371 date  
19970925PCT 102(e) date

PRAI DE 1995-19512617 19950405

L342 ANSWER 57 OF 88 USPATFULL

AN 1999:146602 USPATFULL

TI **Microbicidal** benzotriazoles

IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
Kugler, Martin, Leichlingen, Germany, Federal Republic of  
Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 5985903 19991116  
WO 9701561 19970116

AI US 1997-983013 19971219 (8)  
WO 1996-EP2611 19960617  
19971219PCT 371 date  
19971219PCT 102(e) date

PRAI DE 1995-19523446 19950628

L342 ANSWER 58 OF 88 USPATFULL

AN 1999:124487 USPATFULL

TI Capsule preparations for plant treatment

IN Wada, Yuzuru, Hachioji, Japan  
Isono, Kunihiro, Tochigi, Japan  
Otsu, Yuichi, Oyama, Japan  
Sone, Shinaburo, Yuki, Japan  
Hanaki, Katsuhiko, Tochigi, Japan  
Abe, Takahisa, Oyama, Japan

PA Nihon Bayer Agrochem K.K., Tokyo, Japan (non-U.S. corporation)

PI US 5965150 19991012

AI US 1996-635046 19960419 (8)

PRAI JP 1995-127514 19950428

L342 ANSWER 59 OF 88 USPATFULL

AN 1999:102769 USPATFULL

TI Pyridyl-thiazoles and their use to protect plants against infections by  
micro-organisms

IN Gallenkamp, Bernd, Wuppertal, Germany, Federal Republic of  
Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
Dutzmann, Stefan, Langenfeld, Germany, Federal Republic of  
Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)

PI US 5945380 19990831  
WO 9637493 19961128

AI US 1997-952353 19971119 (8)  
WO 1996-EP2052 19960514  
19971119PCT 371 date  
19971119PCT 102(e) date

PRAI DE 1995-19519332 19950526  
DE 1996-19608244 19960304

L342 ANSWER 60 OF 88 USPATFULL

AN 1999:99676 USPATFULL  
 TI Acylated 5-amino-1,2,4-thiadiazoles as pesticides and fungicides  
 IN Heil, Markus, Leverkusen, Germany, Federal Republic of  
 Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
 Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of  
 Turberg, Andreas, Haan, Germany, Federal Republic of  
 Mencke, Norbert, Leverkusen, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5942528 19990824  
 WO 9726251 19970724  
 AI US 1998-101116 19980630 (9)  
 WO 1997-EP12 19970103  
 19980630PCT 371 date  
 19980630PCT 102(e) date  
 PRAI DE 1996-19601139 19960115

L342 ANSWER 61 OF 88 USPATFULL

AN 1999:92694 USPATFULL  
 TI Amino acid amide derivatives and their use as pesticides  
 IN Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5935979 19990810  
 WO 9622970 19960801  
 AI US 1997-875035 19970716 (8)  
 WO 1996-EP71 19960110  
 19970716PCT 371 date  
 19970716PCT 102(e) date  
 PRAI DE 1995-19501841 19950123

L342 ANSWER 62 OF 88 USPATFULL

AN 1999:81866 USPATFULL  
 TI N-sulfonyliminodithio compounds useful for in plant and material  
 protection  
 IN Uhr, Hermann, Krefeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5925675 19990720  
 WO 9708140 19970306  
 AI US 1998-11724 19980218 (9)  
 WO 1996-EP3639 19960819  
 19980218PCT 371 date  
 19980218PCT 102(e) date  
 PRAI DE 1995-19532061 19950831

L342 ANSWER 63 OF 88 USPATFULL



AN 1999:81854 USPATFULL  
 TI Benzimidazole derivatives  
 IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Marhold, Albrecht, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5925663 19990720  
 WO 9632395 19961017  
 AI US 1997-930767 19971003 (8)  
 WO 1996-EP1435 19960401  
 19971003PCT 371 date  
 19971003PCT 102(e) date  
 PRAI DE 1995-19513990 19950413

L342 ANSWER 64 OF 88 USPATFULL

AN 1999:78885 USPATFULL  
 TI Heterocyclic imino derivatives  
 IN Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5922881 19990713  
 WO 9533717 19951214  
 AI US 1996-737952 19961127 (8)  
 WO 1995-EP1933 19950522  
 19961127PCT 371 date  
 19961127PCT 102(e) date  
 PRAI GB 1994-4419587 19940603

L342 ANSWER 65 OF 88 USPATFULL

AN 1999:34150 USPATFULL  
 TI Substituted azadioxacycloalkenes, fungicidal **composition**  
 containing them, process for preparing them, and method of using them  
 to  
 combat fungi  
 IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kuhnt, Dietmar, Burscheid, Germany, Federal Republic of  
 Philipp, Ulrich, Koln, Germany, Federal Republic of  
 Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Stetter, Jorg, Wuppertal, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)

PI	US 5883250	19990316
AI	US 1997-857119	19970515 (8)
PRAI	DE 1993-4326908	19930811
	DE 1994-4408005	19940310

L342 ANSWER 66 OF 88 USPATFULL

AN	1999:4696 USPATFULL	
TI	<b>Microbicial</b> triazolyl derivatives	
IN	Jautelat, Manfred, Burscheid, Germany, Federal Republic of Tiemann, Ralf, Leverkusen, Germany, Federal Republic of Dutzmann, Stefan, Hilden, Germany, Federal Republic of Hanssler, Gerd, Leverkusen, Germany, Federal Republic of Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of	
PA	Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)	
PI	US 5859039	19990112
AI	US 1997-878916	19970619 (8)
PRAI	DE 1994-4441354	19941121
	DE 1995-19526918	19950724
	DE 1995-19528046	19950731

L342 ANSWER 67 OF 88 USPATFULL

AN	1998:157380 USPATFULL	
TI	N-pyrazolyl anilines as pesticides	
IN	Heil, Markus, Leverkusen, Germany, Federal Republic of Lui, Nobert, Koln, Germany, Federal Republic of Erdelen, Christoph, Leichlingen, Germany, Federal Republic of Wachendorff-Neumann, Ulrike, Neuwied, Germany, Federal Republic of Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of	
PA	Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)	
PI	US 5849778	19981215
	WO 9522530	19950824
AI	US 1996-693063	19960812 (8)
	WO 1995-EP416	19950206
		19960812PCT 371 date
		19960812PCT 102(e) date
PRAI	DE 1994-4405207	19940218

L342 ANSWER 68 OF 88 USPATFULL

AN	1998:119181 USPATFULL	
TI	Amino acid derivatives and their use as pesticides	
IN	Stelzer, Uwe, Burscheid, Germany, Federal Republic of Casser, Carl, Koln, Germany, Federal Republic of Seitz, Thomas, Langenfeld, Germany, Federal Republic of	
PA	Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)	
PI	US 5814669	19980929
	WO 9600718	19960101
AI	US 1996-765470	19961220 (8)
	WO 1995-EP2321	19950616
		19961220PCT 371 date
		19961220PCT 102(e) date
PRAI	DE 1994-4422567	19940628
	DE 1995-19501175	19950117

L342 ANSWER 69 OF 88 USPATFULL  
 AN 1998:108422 USPATFULL  
 TI Synergistic **compositions** containing metconazole and another triazole  
 IN Valcke, Alex Raymond Albert, Wechelderzande, Belgium  
 Van der Flaas, Mark Arthur Josepha, Herselt, Belgium  
 PA Janssen Pharmaceutica, N.V., Beerse, Belgium (non-U.S. corporation)  
 PI US 5804591 19980908  
 WO 9601054 19960118  
 AI US 1996-765720 19961219 (8)  
 WO 1995-EP2501 19950627  
 19961219PCT 371 date  
 19961219PCT 102(e) date  
 PRAI EP 1994-201898 19940701

L342 ANSWER 70 OF 88 USPATFULL  
 AN 1998:92058 USPATFULL  
 TI **Microbicidal compositions** based on dibromo-thiophene-carboxylic acid derivatives  
 IN Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Ecker, Uta, Leichlingen, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)  
 PI US 5789437 19980804  
 WO 9527397 19951019  
 AI US 1996-722262 19961004 (8)  
 WO 1995-EP1173 19950329  
 19961004PCT 371 date  
 19961004PCT 102(e) date  
 PRAI DE 1994-4412333 19940411

L342 ANSWER 71 OF 88 USPATFULL  
 AN 1998:92051 USPATFULL  
 TI Triazolyl derivatives  
 IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)  
 PI US 5789430 19980804  
 WO 9616048 19960530  
 AI US 1997-836415 19970514 (8)  
 WO 1995-EP4392 19951108  
 19970514PCT 371 date  
 19970514PCT 102(e) date  
 PRAI DE 1994-4441354 19941121  
 DE 1995-19526918 19950724  
 DE 1995-19528046 19950731

L342 ANSWER 72 OF 88 USPATFULL

AN 1998:88859 USPATFULL  
 TI Hydroxyethyl-azolyl derivatives  
 IN Lindemann, Michael, Hamm, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5786375 19980728  
 WO 9507896 19950323  
 AI US 1996-617852 19960314 (8)  
 WO 1994-EP2964 19940906  
 19960314PCT 371 date  
 19960314PCT 102(e) date  
 PRAI DE 1993-4331476 19930916  
 DE 1994-4419812 19940607

L342 ANSWER 73 OF 88 USPATFULL

AN 1998:75591 USPATFULL  
 TI 3-methoxy-phenyl-acrylic acid methyl esters  
 IN Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Schallner, Otto, Monheim, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5773445 19980630  
 WO 9514674 19950601  
 AI US 1996-649594 19960520 (8)  
 WO 1994-EP3773 19941114  
 19960520PCT 371 date  
 19960520PCT 102(e) date  
 PRAI DE 1993-4340181 19931125

L342 ANSWER 74 OF 88 USPATFULL

AN 1998:69055 USPATFULL  
 TI 1,3,2-benzodithiazol-1-oxides as **microbiocides**  
 IN Uhr, Hermann, Krefeld, Germany, Federal Republic of  
 Kunisch, Franz, Odenthal-Globusch, Germany, Federal Republic of  
 Wachtler, Peter, Koln, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Mittendorf, Joachim, Wuppertal, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5767137 19980616  
 WO 9521526 19950817  
 AI US 1996-663160 19960801 (8)  
 WO 1995-EP283 19950126  
 19960801PCT 371 date  
 19960801PCT 102(e) date  
 PRAI DE 1994-4403838 19940208

L342 ANSWER 75 OF 88 USPATFULL

AN 1998:61682 USPATFULL  
 TI Halogen alkenyl azolyl **microbicides**  
 IN Jautelat, Manfred, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5760067 19980602  
 AI US 1996-676304 19960718 (8)  
 PRAI DE 1994-4402034 19940125

L342 ANSWER 76 OF 88 USPATFULL

AN 1998:28116 USPATFULL  
 TI N-alkoxy-amidine derivatives  
 IN Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5728737 19980317  
 WO 9604239 19960215  
 AI US 1997-776225 19970123 (8)  
 WO 1995-EP2797 19950717  
 19970123PCT 371 date  
 19970123PCT 102(e) date  
 PRAI DE 1994-4426940 19940729

L342 ANSWER 77 OF 88 USPATFULL

AN 1998:12048 USPATFULL  
 TI Synergistic **compositions** containing metconazole and another  
 triazole  
 IN Valcke, Alex Raymond Albert, Wechelderzande, Belgium  
 Van Der Flaas, Mark Arthur Josepha, Herselt, Belgium  
 PA Janssen Pharmaceutica, N.V., Beerse, Belgium (non-U.S. corporation)  
 PI US 5714507 19980203  
 AI US 1995-455418 19950531 (8)  
 PRAI EP 1994-201898 19940701

L342 ANSWER 78 OF 88 USPATFULL

AN 1998:9530 USPATFULL  
 TI Carboxylic acid amide benzothiophenecarboxamide s-oxides  
 IN Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Lantzsck, Reinhard, Wuppertal, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Paulus, Wilfried, Krefeld, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5712304 19980127

WO 9427986 19941208  
 AI US 1995-553593 19951114 (8)  
 WO 1994-EP1488 19940509  
 19951114PCT 371 date  
 19951114PCT 102(e) date  
 PRAI DE 1993-4317076 19930521

L342 ANSWER 79 OF 88 USPATFULL  
 AN 97:96870 USPATFULL  
 TI Substituted azadioxacycloalkenes and their use as fungicides  
 IN Kruger, Bernd-Wieland, Bergisch Gladbach, Germany, Federal Republic of  
 Assmann, Lutz, Eutin, Germany, Federal Republic of  
 Gayer, Herbert, Monheim, Germany, Federal Republic of  
 Gerdes, Peter, Aachen, Germany, Federal Republic of  
 Heinemann, Ulrich, Leichlingen, Germany, Federal Republic of  
 Kuhn, Dietmar, Burscheid, Germany, Federal Republic of  
 Philipp, Ulrich, Koln, Germany, Federal Republic of  
 Seitz, Thomas, Langenfeld, Germany, Federal Republic of  
 Stetter, Jorg, Wuppertal, Germany, Federal Republic of  
 Tiemann, Ralf, Leverkusen, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Hanssler, Gerd, Leverkusen, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5679676 19971021  
 WO 9504728 19950216  
 AI US 1996-596175 19960205 (8)  
 WO 1994-EP2533 19940729  
 19960205PCT 371 date  
 19960205PCT 102(e) date  
 PRAI DE 1993-4326908 19930811  
 DE 1994-4408005 19940310

L342 ANSWER 80 OF 88 USPATFULL  
 AN 97:38531 USPATFULL  
 TI **Compositions** and methods of combatting fungi employing  
 triazoles and a pyrimidinamine derivative  
 IN Mittermeier, Ludwig, Freiburg, Germany, Federal Republic of  
 Ruess, Wilhelm, Pfeffingen, Switzerland  
 PA Ciba-Geigy Corporation, Tarrytown, NY, United States (U.S. corporation)  
 PI US 5627188 19970506  
 AI US 1995-503748 19950718 (8)  
 PRAI CH 1991-3780 19911219

L342 ANSWER 81 OF 88 USPATFULL  
 AN 97:33343 USPATFULL  
 TI Mould-resistant emulsion paints  
 IN Elbe, Hans-Ludwig, Wuppertal, Germany, Federal Republic of  
 Paulus, Wilfried, Krefeld, Germany, Federal Republic of  
 Schrage, Heinrich, Krefeld, Germany, Federal Republic of  
 Kugler, Martin, Leichlingen, Germany, Federal Republic of  
 Kunisch, Franz, Odenthal, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)

PI US 5622546 19970422  
 WO 9506091 19950302  
 AI US 1996-596163 19960214 (8)  
 WO 1994-EP2627 19940808  
 19960214PCT 371 date  
 19960214PCT 102(e) date  
 PRAI DE 1993-4328074 19930820

L342 ANSWER 82 OF 88 USPATFULL

AN 96:97042 USPATFULL  
 TI **Microbicides**  
 IN Mittermeier, Ludwig, Freiburg, Germany, Federal Republic of  
 Ruess, Wilhelm, Pfeffingen, Switzerland  
 PA Ciba-Geigy Corporation, Tarrytown, NY, United States (U.S. corporation)  
 PI US 5567705 19961022  
 AI US 1995-506946 19950726 (8)  
 PRAI CH 1991-3780 19911219

L342 ANSWER 83 OF 88 USPATFULL

AN 96:3748 USPATFULL  
 TI Cyclopropyl-ethyl-azoles  
 IN Jautelat, Manfred, Burscheid, Germany, Federal Republic of  
 Dutzmann, Stefan, Hilden, Germany, Federal Republic of  
 Stenzel, Klaus, Dusseldorf, Germany, Federal Republic of  
 Dehne, Heinz-Wilhelm, Bonn, Germany, Federal Republic of  
 PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5482955 19960109  
 AI US 1995-416416 19950404 (8)  
 PRAI DE 1994-4412358 19940411

L342 ANSWER 84 OF 88 USPATFULL

AN 95:29646 USPATFULL  
 TI **Microbicides**  
 IN Mittermeier, Ludwig, Freiburg, Germany, Federal Republic of  
 Ruess, Wilhelm, Pfeffingen, Switzerland  
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
 PI US 5403844 19950404  
 AI US 1992-991674 19921216 (7)  
 PRAI CH 1991-378091 19911219

L342 ANSWER 85 OF 88 USPATFULL

AN 94:79998 USPATFULL  
 TI N-iodopropargyl hydantoin compounds, **compositions**,  
 preparation, and use as antimicrobial agents  
 IN Hsu, Adam C. T., Lansdale, PA, United States  
 Shaber, Steven H., Horsham, PA, United States  
 Michelotti, Enrique L., Fort Washington, PA, United States  
 PA Rohm and Haas Company, Philadelphia, PA, United States (U.S.  
 corporation)  
 PI US 5346913 19940913  
 AI US 1992-888572 19920526 (7)

L342 ANSWER 86 OF 88 USPATFULL

AN 92:27543 USPATFULL

TI Benzoxazolone compounds and the use thereof as **microbicides**  
 IN Hsu, Adam C., Lansdale, PA, United States  
 PA Rohm and Haas Company, Philadelphia, PA, United States (U.S. corporation)  
 PI US 5102898 19920407  
 AI US 1991-697655 19910508 (7)

L342 ANSWER 87 OF 88 USPATFULL

AN 90:54617 USPATFULL  
 TI **Microbicidal compositions**  
 IN Nevill, David J., Riehen, Switzerland  
 Steck, Bernhard, Muntelier, Switzerland  
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
 PI US 4940721 19900710  
 AI US 1989-388177 19890731 (7)  
 PRAI CH 1988-2960 19880804

L342 ANSWER 88 OF 88 USPATFULL

AN 90:54616 USPATFULL  
 TI **Microbicidal compositions**  
 IN Nevill, David J., Riehen, Switzerland  
 Steck, Bernhard, Muntelier, Switzerland  
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
 PI US 4940720 19900710  
 AI US 1989-388782 19890802 (7)

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